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BOEING



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1 of 1
No. D2-80085 Vol III

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THE **BOEING** COMPANY

NUMBER D2-80085

UNCLASSIFIED TITLE Leading Edges Development - Dyna Soar

MODEL NO. X-20A CONTRACT NO. AF33(657)-7132

ISSUE NO. _____ ISSUED TO _____

CLASSIFIED TITLE _____
(STATE CLASSIFICATION)

See Sub-sections

CHARGE NUMBER

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SUPERVISED BY A. K. Hepler 6/22/63 P. G. Esch ARS
APPROVED BY A. K. Hepler 6/24/63
CLASS. & DISTR. A. K. Hepler 6/25/63
APPROVED BY A. K. Hepler 6/25/63
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VOL.	ITT	NO. D2-80085
SEC.	3	PAGE 1 OF

2-5142

DOCUMENT TITLE PAGE U3 4287 9000 REV. 1/61

MODEL X-20

DOCUMENT NUMBER D2-80085

SECTION OR ADDENDUM NO. 3 Vol. III

TITLE

THERMAL GRADIENT AND LOADS TEST DATA

NO. OF PAGES 282

DATE _____

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Harold M. Olsen

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APPROVED BY Frank R. S. [Signature]
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APPROVED BY A. K. Lefter 9/19/63
A. K. Lefter

WORK ORDER

UNIT NO.

ITEM NO.

Sub-section title page
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REV SYM _____

BOEING

NO. D2-80085

SECT. 3

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-20, T-21, & T-22, & T-23. = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

THERMOCOUPLE NO.

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CALC	Reynolds	8/31/61	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 01	Vol. III
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BAC 973 D-R3

9/3/63

7 7000

TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
-----DEGREES FAHRENHEIT-----							
99.99-	357.6	374.7	380.2	392.6	398.0	345.1	386.6
95.07-	357.6	363.1	380.2	390.9	392.1	303.3	357.5
70.14-	380.9	386.3	397.7	415.9	421.3	324.2	375.0
55.23-	386.7	403.8	415.1	421.7	438.7	363.4	398.3
40.29-	380.9	392.1	415.1	415.9	438.7	331.2	386.6
25.38-	415.9	421.3	426.7	439.2	456.2	369.2	415.8
10.46-	421.7	444.5	455.8	468.4	491.1	386.7	444.9
4.47	439.2	450.3	467.4	480.1	496.9	357.6	421.6
19.38	450.9	473.6	473.2	485.9	514.4	380.9	439.1
34.32	445.1	456.2	473.2	485.9	508.6	369.2	421.6
49.23	450.9	456.2	473.2	480.1	502.7	386.7	444.9
64.15	445.1	444.5	461.6	462.6	496.9	392.6	450.8
79.08	480.1	496.9	502.3	520.9	555.1	392.6	444.9
93.99	430.2	438.7	461.6	462.6	502.7	392.6	439.1
108.93	456.7	462.0	479.1	485.9	520.2	415.9	474.1
123.84	462.6	467.8	490.7	497.6	520.2	415.9	474.1
138.76	468.4	473.6	490.7	497.6	531.8	398.4	456.6
150.70	526.7	543.5	554.6	555.9	595.8	421.7	474.1
156.67	720.7	776.4	729.0	777.5	802.7	520.9	590.7
162.63	745.7	817.8	775.7	844.2	827.9	612.9	718.9
168.60	829.1	903.3	872.3	929.8	933.4	703.2	823.7
174.57	955.0	1037.	992.8	1078.	1042.	834.1	939.5
180.54	1024.	1110.	1094.	1173.	1119.	914.7	1014.
186.51	1102.	1194.	1174.	1266.	1199.	934.9	1053.
192.48	1205.	1305.	1295.	1388.	1305.	975.2	1101.
198.45	1280.	1382.	1385.	1481.	1395.	1049.	1167.
204.42	1393.	1501.	1508.	1597.	1510.	1159.	1265.
210.39	1472.	1594.	1606.	1695.	1599.	1248.	1365.
225.31	1712.	1834.	1881.	1969.	1854.	1464.	1584.
240.24	1938.	2076.	2136.	2224.	2087.	1699.	1828.
255.15	2161.	2302.	2389.	2478.	2341.	1825.	2027.
270.08	2364.	2509.	2627.	2674.	2532.	1977.	2230.
285.00	2403.	2556.	2674.	2725.	2607.	1973.	2309.
299.92	2439.	2587.	2702.	2756.	2650.	1969.	2359.
314.85	2427.	2567.	2682.	2749.	2646.	1894.	2336.
329.76	2411.	2548.	2631.	2725.	2614.	1841.	2312.
344.69	2333.	2462.	2541.	2650.	2532.	1758.	2246.
359.61	2263.	2396.	2448.	2575.	2450.	1699.	2172.
389.46	2110.	2232.	2237.	2423.	2310.	1576.	2027.
419.30	1969.	2083.	2039.	2259.	2161.	1477.	1885.

CALC	9/25/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 01 THE BOEING COMPANY	Vol. TH
CHECK	REYNOLDS 7/5/61				21-80015
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US 5553 7450 (WAS BAC 1745 A-R1)

2-5000

9/3/63

TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
449.14	1833.	1931.	1865.	2114.	2033.	1357.	1732.
478.98	1712.	1822.	1741.	1973.	1903.	1275.	1639.
508.83	1614.	1713.	1623.	1878.	1806.	1215.	1541.
538.68	1529.	1628.	1563.	1784.	1692.	1182.	1485.
568.52	1508.	1603.	1542.	1758.	1671.	1159.	1436.
598.36	1508.	1603.	1551.	1767.	1667.	1182.	1454.
628.20	1554.	1667.	1644.	1817.	1830.	1257.	1511.
658.05	1720.	1850.	1861.	1989.	2021.	1410.	1647.
687.90	1808.	1943.	1964.	2087.	2111.	1503.	1741.
717.74	1857.	2021.	2019.	2137.	2150.	1499.	1783.
747.58	1874.	1986.	2023.	2153.	2165.	1490.	1787.
777.42	1853.	1970.	2003.	2141.	2154.	1512.	1783.
807.27	1865.	1994.	2019.	2157.	2181.	1503.	1770.
810.25	1865.	1994.	2019.	2157.	2181.	1503.	1766.
816.22	1865.	1990.	2015.	2153.	2181.	1508.	1766.
822.19	1853.	1990.	2019.	2153.	2169.	1499.	1770.
828.16	1837.	1974.	1998.	2126.	2150.	1459.	1745.
834.12	1792.	1923.	1941.	2075.	2107.	1330.	1622.
836.12	1771.	1903.	1917.	2059.	2099.	1316.	1588.
838.11	1771.	1919.	1926.	2063.	2099.	1312.	1558.
840.09	1788.	1923.	1937.	2063.	2103.	1298.	1537.
842.09	1796.	1931.	1949.	2087.	2115.	1293.	1524.
844.08	1788.	1927.	1949.	2075.	2111.	1307.	1528.
846.06	1784.	1915.	1941.	2067.	2103.	1316.	1520.
848.06	1784.	1927.	1957.	2075.	2111.	1312.	1520.
850.05	1792.	1927.	1968.	2087.	2107.	1334.	1533.
852.03	1792.	1931.	1957.	2075.	2103.	1343.	1545.
854.03	1800.	1935.	1953.	2087.	2107.	1357.	1545.
856.02	1808.	1955.	1980.	2102.	2126.	1353.	1545.
858.00	1841.	1990.	2019.	2130.	2161.	1370.	1558.
859.99	1914.	2072.	2120.	2208.	2220.	1437.	1613.
861.99	1977.	2146.	2190.	2267.	2275.	1490.	1660.
863.97	2036.	2208.	2272.	2337.	2337.	1542.	1715.
865.96	2094.	2282.	2335.	2396.	2400.	1618.	1796.
867.96	2130.	2306.	2378.	2427.	2439.	1669.	1848.
869.94	2157.	2333.	2383.	2454.	2462.	1699.	1881.
871.93	2180.	2349.	2428.	2478.	2489.	1699.	1877.
873.93	2196.	2372.	2452.	2497.	2505.	1699.	1889.
875.91	2220.	2396.	2479.	2517.	2532.	1733.	1926.
877.90	2255.	2423.	2506.	2544.	2556.	1771.	1961.

CALC	014/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 01	Vol. III
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	-----DEGREES FAHRENHEIT-----						
879.90	2274.	2439.	2533.	2568.	2571.	1788.	1976.
881.88	2294.	2462.	2557.	2595.	2595.	1796.	2000.
883.86	2313.	2478.	2580.	2611.	2614.	1796.	2015.
885.86	2337.	2509.	2604.	2634.	2638.	1813.	2023.
887.85	2349.	2513.	2616.	2650.	2650.	1788.	2023.
889.83	2349.	2520.	2619.	2650.	2654.	1763.	2012.
891.83	2364.	2528.	2635.	2662.	2669.	1758.	2023.
893.82	2376.	2540.	2647.	2674.	2673.	1767.	2023.
895.80	2380.	2540.	2651.	2674.	2669.	1758.	2027.
897.80	2384.	2540.	2655.	2678.	2677.	1758.	2027.
899.79	2399.	2544.	2667.	2693.	2685.	1767.	2027.
905.76	2427.	2575.	2686.	2713.	2716.	1750.	2027.
911.73	2415.	2556.	2678.	2705.	2709.	1750.	2027.
917.70	2415.	2556.	2667.	2697.	2701.	1724.	2008.
923.67	2399.	2540.	2643.	2690.	2685.	1724.	2000.
929.64	2380.	2520.	2619.	2678.	2673.	1737.	2012.
935.60	2360.	2497.	2598.	2650.	2646.	1724.	2008.
941.57	2364.	2505.	2596.	2662.	2654.	1724.	2008.
947.54	2376.	2513.	2596.	2662.	2665.	1724.	2000.
953.51	2372.	2509.	2590.	2662.	2658.	1720.	1996.
959.47	2360.	2493.	2569.	2654.	2661.	1669.	1961.
965.44	2345.	2466.	2537.	2623.	2630.	1635.	1937.
971.41	2329.	2458.	2526.	2615.	2630.	1627.	1917.
977.38	2310.	2427.	2487.	2599.	2599.	1588.	1901.
983.34	2298.	2403.	2459.	2572.	2583.	1576.	1877.
989.31	2278.	2396.	2432.	2560.	2571.	1576.	1865.
995.28	2270.	2372.	2413.	2552.	2567.	1571.	1852.
1001.25	2274.	2388.	2424.	2564.	2575.	1571.	1832.
1007.22	2263.	2372.	2405.	2548.	2567.	1546.	1824.
1013.19	2267.	2376.	2413.	2552.	2563.	1542.	1820.
1019.16	2255.	2353.	2393.	2532.	2552.	1546.	1812.
1049.01	2224.	2329.	2370.	2501.	2517.	1529.	1779.
1078.86	2184.	2294.	2323.	2478.	2497.	1529.	1766.
1108.69	2180.	2294.	2307.	2462.	2481.	1546.	1766.
1178.53	2182.	2306.	2346.	2478.	2489.	1559.	1783.
1168.38	2227.	2396.	2381.	2505.	2520.	1580.	1824.
1198.23	2294.	2419.	2456.	2572.	2591.	1635.	1873.
1228.08	2341.	2470.	2530.	2631.	2638.	1686.	1957.
1257.91	2364.	2497.	2565.	2650.	2654.	1808.	2066.
1287.75	2415.	2536.	2616.	2697.	2697.	1829.	2101.

CALC	9/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 FWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 01 THE BOEING COMPANY.	Vol. III
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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1317.60	2431.	2552.	2616.	2713.	2716.	1825.	2101.
1347.45	2431.	2552.	2596.	2709.	2716.	1788.	2090.
1377.30	2439.	2567.	2598.	2717.	2724.	1771.	2086.
1407.13	2435.	2556.	2557.	2713.	2724.	1758.	2062.
1436.97	2435.	2560.	2537.	2717.	2716.	1750.	2066.
1440.96	2423.	2552.	2541.	2717.	2713.	1733.	2066.
1455.87	2478.	2599.	2592.	2776.	2764.	2055.	2371.
1470.81	2470.	2579.	2576.	2772.	2752.	1969.	2355.
1485.72	2466.	2571.	2576.	2760.	2752.	1938.	2359.
1500.65	2478.	2579.	2592.	2768.	2771.	1930.	2359.
1515.57	2482.	2579.	2598.	2764.	2768.	1926.	2359.
1530.48	2493.	2587.	2612.	2768.	2771.	1922.	2359.
1545.42	2493.	2587.	2616.	2776.	2768.	1914.	2363.
1560.33	2478.	2575.	2596.	2764.	2768.	1922.	2355.
1580.18	2485.	2583.	2608.	2772.	2775.	1902.	2359.
1620.03	2466.	2556.	2619.	2760.	2768.	1874.	2336.
1649.87	2442.	2552.	2627.	2752.	2752.	1874.	2312.
1679.70	2454.	2540.	2616.	2741.	2740.	1865.	2297.
1709.55	2435.	2513.	2604.	2717.	2713.	1804.	2250.
1739.40	2388.	2474.	2545.	2670.	2677.	1746.	2199.
1769.25	2306.	2372.	2444.	2595.	2614.	1656.	2086.
1799.09	2231.	2275.	2346.	2509.	2524.	1559.	1996.
1828.92	2130.	2161.	2190.	2403.	2439.	1468.	1885.
1858.77	2024.	2048.	2058.	2302.	2325.	1361.	1770.
1888.62	1906.	1927.	1891.	2169.	2208.	1275.	1634.
1918.47	1754.	1764.	1665.	2016.	2052.	1111.	1490.
1948.31	1614.	1599.	1469.	1978.	1915.	970.1	1306.
1978.14	1450.	1421.	1258.	1699.	1764.	803.9	1092.
2007.99	1182.	1138.	972.7	1410.	1492.	618.2	859.0
2037.84	1000.	973.7	706.9	1248.	1319.	433.4	649.9
2067.69	650.1	612.1	386.1	854.3	853.6	324.2	479.9
2097.53	310.3	268.2	177.8	421.7	555.1	233.6	363.3
2127.36	212.7	177.8	133.4	275.4	386.3	184.8	268.4
2157.21	163.9	150.0	116.8	205.7	303.0	150.0	212.7
2187.06	141.7	125.0	100.2	177.9	247.4	133.3	184.8
2216.91	125.0	116.7	100.2	150.0	219.5	116.6	170.9

CALC	08/25/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 01 THE BOEING COMPANY	Vol. III D2-80085 4.00 PAGE 3-8
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2-5000

9/3/63

TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
99.99-	317.3	369.4	416.4	357.4
85.07-	317.3	369.4	433.9	369.0
70.14-	345.2	386.9	445.6	386.5
55.23-	357.7	404.4	474.8	415.6
40.29-	363.5	416.1	480.7	421.4
25.38-	416.0	416.1	499.2	444.7
10.46-	421.9	439.4	515.7	462.2
4.47	427.7	445.3	533.3	485.5
19.38	445.2	451.1	545.0	497.1
34.32	430.4	451.1	556.6	508.8
49.23	456.9	462.8	556.6	526.3
64.15	430.4	462.8	568.3	526.3
79.08	462.7	486.1	580.0	537.9
93.99	451.0	468.6	580.0	555.4
108.93	468.5	480.3	580.0	555.4
123.84	456.9	486.1	597.6	567.0
138.76	474.4	492.0	597.6	567.0
150.70	503.6	509.5	603.1	578.7
156.67	591.1	573.7	624.4	590.3
162.63	703.4	607.9	666.9	628.3
168.60	804.2	666.4	720.1	681.3
174.57	899.9	804.3	815.1	750.3
180.54	1006.	955.6	856.5	823.3
186.51	1097.	1073.	1089.	903.8
192.48	1182.	1178.	1198.	994.3
198.45	1271.	1276.	1309.	1077.
204.42	1393.	1402.	1417.	1171.
210.39	1504.	1513.	1535.	1269.
225.31	1768.	1759.	1803.	1527.
240.24	2033.	2025.	2078.	1773.
255.15	2197.	2276.	2341.	1995.
270.08	2494.	2503.	2548.	2217.
285.00	2565.	2542.	2615.	2335.
299.92	2608.	2597.	2666.	2385.
314.85	2577.	2565.	2659.	2397.
329.76	2545.	2534.	2639.	2377.
344.69	2443.	2444.	2576.	2338.
359.61	2350.	2346.	2513.	2280.
389.46	2162.	2150.	2372.	2135.
419.30	1962.	1967.	2247.	2006.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
449.14	1772	1772	2094	1868
478.98	1666	1670	2004	1782
508.83	1555	1560	1921	1706
538.68	1500	1487	1852	1659
568.52	1464	1451	1803	1621
598.36	1478	1469	1803	1625
628.20	1564	1560	1828	1600
658.05	1751	1759	1937	1697
687.90	1870	1866	2047	1790
717.74	1923	1891	2074	1827
747.58	1931	1907	2094	1864
777.42	1927	1919	2106	1868
807.27	1943	1919	2109	1872
810.25	1935	1923	2106	1864
816.22	1935	1915	2102	1876
822.19	1939	1915	2106	1888
828.16	1931	1887	2106	1892
834.12	1958	1801	2055	1884
836.12	1966	1785	2043	1880
838.11	1982	1772	2031	1876
840.09	1990	1768	2015	1876
842.09	1990	1772	2008	1876
844.08	1986	1785	2012	1868
846.06	1986	1785	2004	1868
848.06	2009	1789	2000	1864
850.05	2013	1793	2004	1872
852.03	2013	1797	2012	1876
854.03	2017	1801	2012	1880
856.02	2029	1805	2012	1876
858.00	2052	1838	2019	1892
859.99	2115	1915	2035	1896
861.99	2181	1970	2066	1912
863.97	2271	2017	2098	1924
865.96	2346	2064	2129	1967
867.96	2408	2076	2160	1999
869.94	2428	2088	2188	2049
871.93	2443	2107	2215	2085
873.93	2471	2135	2235	2104
875.91	2506	2166	2262	2131
877.90	2533	2174	2286	2163

CALC	08/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 01 BOEING AIRPLANE COMPANY	Vol. III
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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
879.90	2557.	2194.	2305.	2182.
881.88	2577.	2209.	2325.	2202.
883.86	2604.	2229.	2341.	2221.
885.86	2636.	2260.	2364.	2249.
887.85	2651.	2248.	2390.	2264.
899.83	2651.	2244.	2398.	2288.
891.83	2655.	2260.	2392.	2295.
893.82	2667.	2260.	2395.	2299.
895.80	2667.	2264.	2407.	2307.
897.80	2667.	2272.	2419.	2323.
899.79	2675.	2280.	2419.	2327.
905.76	2683.	2268.	2419.	2366.
911.73	2671.	2264.	2427.	2366.
917.70	2679.	2260.	2427.	2366.
923.67	2679.	2264.	2427.	2374.
929.64	2671.	2268.	2431.	2374.
935.60	2667.	2252.	2423.	2389.
941.57	2671.	2256.	2407.	2377.
947.54	2671.	2264.	2419.	2374.
953.51	2663.	2260.	2419.	2374.
959.47	2651.	2229.	2403.	2346.
965.44	2612.	2205.	2399.	2342.
971.41	2592.	2201.	2372.	2327.
977.38	2565.	2154.	2364.	2295.
983.34	2557.	2139.	2341.	2303.
989.31	2545.	2115.	2341.	2276.
995.28	2522.	2107.	2329.	2280.
1001.25	2506.	2104.	2329.	2264.
1007.22	2494.	2088.	2317.	2253.
1013.19	2483.	2088.	2305.	2249.
1019.16	2440.	2064.	2301.	2241.
1049.01	2377.	2033.	2270.	2202.
1078.86	2377.	2025.	2254.	2178.
1108.69	2377.	2017.	2251.	2194.
1138.53	2381.	2045.	2262.	2190.
1168.38	2432.	2068.	2278.	2202.
1198.23	2400.	2147.	2333.	2245.
1228.08	2569.	2205.	2394.	2323.
1257.91	2616.	2284.	2427.	2338.
1287.75	2651.	2331.	2458.	2389.

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TIME SEC.	3-6	3-7	3-5	7-5
	C-3M	C-3M	T-16	T-24
	-----DEGREES FAHRENHEIT-----			
1317.60	2679.	2338.	2470.	2397.
1347.45	2679.	2319.	2470.	2401.
1377.30	2691.	2334.	2470.	2413.
1407.13	2675.	2331.	2466.	2405.
1436.97	2679.	2311.	2466.	2389.
1440.96	2679.	2315.	2462.	2413.
1455.87	2604.	2601.	2588.	2424.
1470.81	2596.	2605.	2615.	2413.
1485.72	2596.	2585.	2603.	2428.
1500.65	2612.	2597.	2615.	2424.
1515.57	2502.	2605.	2619.	2436.
1530.48	2608.	2593.	2615.	2440.
1545.42	2612.	2601.	2615.	2424.
1560.33	2600.	2597.	2619.	2424.
1590.18	2604.	2585.	2623.	2432.
1620.03	2584.	2573.	2615.	2389.
1649.87	2573.	2546.	2603.	2377.
1679.70	2549.	2534.	2584.	2389.
1709.55	2494.	2487.	2552.	2346.
1739.40	2440.	2409.	2509.	2335.
1769.25	2354.	2323.	2446.	2264.
1799.09	2228.	2213.	2368.	2198.
1828.92	2087.	2072.	2266.	2085.
1858.77	1931.	1931.	2164.	1999.
1888.62	1780.	1785.	2043.	1892.
1918.47	1598.	1589.	1909.	1752.
1948.31	1398.	1384.	1748.	1638.
1978.14	1187.	1178.	1565.	1510.
2007.99	1006.	915.2	1350.	1351.
2037.84	874.7	714.2	1094.	1214.
2067.69	666.3	532.8	870.6	1081.
2097.53	439.4	357.7	613.7	873.6
2127.36	280.4	247.6	480.7	692.0
2157.21	212.8	191.8	398.9	540.6
2187.06	177.9	163.9	338.5	438.9
2216.91	157.0	141.7	296.6	398.1

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
-----DEGREES FAHRENHEIT-----							
99.99-	121.1	94.88	150.0	197.0	165.6	176.2	165.7
85.07-	129.0	100.1	165.7	215.3	178.6	194.5	178.8
70.14-	136.8	105.4	181.3	233.6	191.7	212.8	191.8
55.23-	147.4	110.6	191.8	254.5	207.3	228.5	204.9
40.29-	155.2	118.5	204.9	272.7	222.0	246.8	220.6
25.38-	165.7	123.8	215.3	291.5	236.0	265.1	233.7
10.46-	176.1	131.6	229.4	310.5	249.0	280.8	246.7
4.47	186.6	139.5	238.8	326.8	264.6	297.1	259.8
19.38	194.4	147.4	254.5	345.8	275.0	318.9	272.9
34.32	204.9	155.2	264.9	364.8	285.7	335.2	286.2
49.23	215.3	163.0	275.4	383.6	301.9	351.5	299.8
64.15	228.4	170.9	286.1	399.7	315.5	367.9	313.4
79.08	238.9	178.7	290.7	415.8	326.3	381.3	327.0
93.99	240.3	189.1	307.8	426.5	339.8	394.7	337.9
108.93	250.8	197.0	318.7	442.6	350.7	410.9	348.8
123.84	270.2	204.8	326.8	453.4	364.2	427.0	365.1
138.76	280.7	215.2	335.0	466.8	377.7	437.7	373.2
150.70	291.6	217.8	340.4	477.4	385.7	448.5	383.9
156.67	294.3	223.0	345.9	485.3	391.0	453.8	389.3
162.63	297.0	225.6	348.6	501.1	399.1	459.2	394.7
168.60	305.2	228.3	354.0	522.2	409.1	467.3	397.4
174.57	307.9	233.5	356.7	548.6	407.1	475.2	402.7
180.54	318.8	238.7	362.2	584.8	409.8	485.8	408.1
186.51	324.2	238.7	373.0	620.7	420.5	501.6	416.1
182.48	335.1	243.9	378.3	664.3	425.8	517.5	421.5
198.45	346.0	254.3	389.1	715.6	436.5	538.6	429.6
204.42	354.1	254.3	405.2	782.3	449.0	567.5	437.6
210.39	373.1	262.2	423.9	851.6	463.7	598.3	448.4
225.31	429.5	283.2	482.7	1052.	513.3	698.5	483.0
240.24	522.5	318.4	570.8	1316.	586.2	842.4	527.9
255.15	651.9	375.3	723.5	1601.	608.8	1021.	593.0
270.08	829.1	466.4	918.3	1903.	847.2	1220.	680.3
285.00	1035.	594.6	1006.	2159.	1025.	1416.	795.9
299.92	1196.	750.9	1224.	2288.	1195.	1556.	926.6
314.85	1301.	897.0	1296.	2342.	1331.	1648.	1046.
329.76	1362.	1008.	1338.	2351.	1418.	1737.	1138.
344.69	1391.	1087.	1356.	2312.	1468.	1778.	1209.
359.61	1394.	1125.	1353.	2258.	1492.	1790.	1258.
369.46	1357.	1135.	1317.	2117.	1479.	1754.	1302.
419.30	1301.	1112.	1255.	1991.	1429.	1680.	1291.

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Continuous Interior Air-Moore Adjusted Form, Inc.

TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
449.14	1230.	1069.	1188.	1848.	1366.	1601.	1250.
478.98	1166.	1024.	1114.	1762.	1297.	1519.	1199.
508.83	1112.	980.5	1063.	1685.	1246.	1458.	1153.
538.68	1076.	942.6	1015.	1627.	1208.	1410.	1125.
568.52	1056.	917.2	984.2	1590.	1188.	1384.	1109.
598.36	1041.	899.5	963.9	1585.	1170.	1368.	1097.
628.20	1038.	891.8	958.9	1580.	1162.	1358.	1092.
658.05	1053.	894.4	976.6	1656.	1165.	1358.	1086.
687.90	1094.	912.2	1025.	1751.	1195.	1403.	1102.
717.74	1137.	947.6	1073.	1803.	1236.	1447.	1130.
747.58	1173.	983.1	1109.	1828.	1272.	1487.	1156.
777.42	1199.	1008.	1134.	1850.	1297.	1508.	1181.
807.27	1219.	1034.	1150.	1850.	1318.	1527.	1204.
810.25	1219.	1034.	1152.	1853.	1318.	1529.	1207.
816.22	1224.	1039.	1152.	1861.	1324.	1529.	1212.
822.19	1224.	1036.	1155.	1864.	1326.	1532.	1215.
828.16	1230.	1044.	1157.	1859.	1326.	1535.	1217.
834.12	1230.	1044.	1160.	1853.	1331.	1540.	1220.
836.12	1232.	1046.	1157.	1850.	1331.	1540.	1222.
838.11	1235.	1046.	1155.	1848.	1331.	1540.	1225.
840.09	1235.	1046.	1152.	1845.	1334.	1540.	1225.
842.09	1235.	1046.	1150.	1850.	1334.	1540.	1225.
844.08	1235.	1049.	1147.	1848.	1334.	1540.	1227.
846.06	1235.	1049.	1142.	1845.	1334.	1543.	1227.
848.06	1240.	1049.	1137.	1848.	1334.	1543.	1230.
850.05	1235.	1049.	1132.	1850.	1337.	1545.	1230.
852.03	1237.	1046.	1126.	1856.	1339.	1545.	1230.
854.03	1239.	1049.	1124.	1853.	1339.	1545.	1230.
856.02	1240.	1049.	1121.	1856.	1337.	1545.	1235.
858.00	1240.	1049.	1114.	1867.	1339.	1548.	1235.
859.99	1240.	1049.	1111.	1881.	1342.	1550.	1235.
861.99	1240.	1051.	1109.	1906.	1339.	1550.	1235.
863.97	1242.	1051.	1106.	1926.	1339.	1556.	1238.
865.96	1240.	1051.	1103.	1963.	1342.	1561.	1240.
867.96	1250.	1049.	1103.	1988.	1345.	1566.	1240.
869.94	1253.	1049.	1103.	2025.	1345.	1572.	1240.
871.93	1258.	1051.	1106.	2037.	1347.	1579.	1243.
873.93	1266.	1054.	1106.	2062.	1350.	1587.	1245.
875.91	1273.	1054.	1109.	2085.	1350.	1598.	1250.
877.90	1278.	1054.	1111.	2111.	1358.	1609.	1250.

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	-----DEGREES FAHRENHEIT-----						
879.90	1286.	1056.	1116.	2141.	1360.	1619.	1250.
881.88	1206.	1059.	1121.	2159.	1366.	1627.	1253.
883.86	1304.	1064.	1121.	2177.	1368.	1638.	1258.
885.86	1315.	1064.	1126.	2204.	1376.	1653.	1261.
887.85	1323.	1069.	1132.	2225.	1384.	1664.	1266.
889.83	1333.	1072.	1137.	2243.	1392.	1677.	1268.
891.83	1344.	1072.	1142.	2252.	1397.	1688.	1276.
893.82	1357.	1077.	1147.	2261.	1402.	1704.	1281.
895.80	1344.	1079.	1152.	2276.	1413.	1715.	1286.
897.80	1373.	1084.	1160.	2297.	1421.	1726.	1291.
899.79	1383.	1089.	1165.	2300.	1429.	1737.	1297.
905.76	1407.	1100.	1178.	2330.	1455.	1776.	1315.
911.73	1433.	1115.	1191.	2342.	1481.	1803.	1333.
917.70	1449.	1130.	1206.	2351.	1505.	1831.	1355.
923.67	1465.	1140.	1216.	2360.	1523.	1853.	1370.
929.64	1478.	1153.	1226.	2366.	1539.	1870.	1386.
935.60	1489.	1163.	1234.	2372.	1555.	1881.	1399.
941.57	1499.	1174.	1242.	2369.	1568.	1895.	1413.
947.54	1507.	1186.	1252.	2372.	1579.	1906.	1426.
953.51	1513.	1194.	1257.	2372.	1589.	1917.	1439.
959.47	1518.	1202.	1262.	2360.	1597.	1920.	1450.
965.44	1521.	1210.	1265.	2351.	1602.	1923.	1460.
971.41	1523.	1215.	1270.	2333.	1605.	1926.	1465.
977.38	1523.	1222.	1273.	2321.	1610.	1923.	1471.
983.34	1521.	1225.	1270.	2312.	1613.	1923.	1476.
989.31	1518.	1227.	1273.	2297.	1610.	1917.	1481.
995.28	1515.	1227.	1270.	2291.	1610.	1914.	1484.
1001.25	1515.	1230.	1270.	2279.	1608.	1906.	1497.
1007.22	1513.	1233.	1270.	2273.	1605.	1900.	1487.
1013.19	1510.	1233.	1267.	2267.	1602.	1897.	1487.
1019.16	1505.	1235.	1267.	2255.	1600.	1892.	1487.
1049.01	1494.	1235.	1260.	2216.	1587.	1864.	1484.
1078.86	1486.	1235.	1257.	2198.	1573.	1853.	1481.
1108.69	1486.	1238.	1260.	2189.	1571.	1845.	1481.
1138.53	1492.	1245.	1267.	2198.	1573.	1848.	1484.
1168.38	1502.	1256.	1278.	2216.	1581.	1864.	1492.
1198.23	1523.	1273.	1301.	2258.	1600.	1881.	1508.
1228.08	1555.	1297.	1330.	2327.	1621.	1912.	1526.
1257.91	1592.	1325.	1361.	2360.	1652.	1954.	1555.
1287.75	1618.	1352.	1388.	2396.	1679.	1991.	1582.

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
1317.60	1645.	1378.	1417.	2419.	1702.	2020.	1611.
1347.45	1663.	1404.	1438.	2424.	1722.	2040.	1629.
1377.30	1676.	1420.	1459.	2437.	1736.	2054.	1645.
1407.13	1689.	1439.	1467.	2434.	1747.	2063.	1661.
1436.97	1700.	1454.	1493.	2440.	1758.	2074.	1674.
1440.96	1706.	1457.	1495.	2440.	1758.	2071.	1677.
1455.87	1714.	1468.	1506.	2449.	1763.	2074.	1682.
1470.81	1725.	1486.	1575.	2456.	1769.	2080.	1690.
1485.72	1733.	1510.	1617.	2459.	1777.	2083.	1698.
1500.65	1744.	1528.	1646.	2456.	1785.	2091.	1706.
1515.57	1753.	1544.	1665.	2462.	1791.	2094.	1714.
1530.48	1758.	1560.	1675.	2465.	1799.	2103.	1725.
1545.42	1769.	1565.	1683.	2468.	1804.	2109.	1731.
1560.33	1772.	1573.	1691.	2475.	1810.	2112.	1739.
1590.18	1780.	1589.	1702.	2471.	1818.	2115.	1745.
1620.03	1783.	1594.	1705.	2459.	1821.	2112.	1753.
1649.87	1780.	1599.	1702.	2449.	1818.	2103.	1753.
1679.70	1780.	1597.	1696.	2440.	1813.	2094.	1748.
1709.55	1769.	1591.	1699.	2409.	1804.	2083.	1745.
1739.40	1755.	1584.	1675.	2375.	1791.	2063.	1734.
1769.25	1733.	1568.	1652.	2324.	1777.	2037.	1720.
1799.09	1703.	1547.	1617.	2249.	1749.	1994.	1701.
1828.92	1666.	1520.	1580.	2153.	1719.	1937.	1671.
1858.77	1626.	1489.	1536.	2054.	1676.	1873.	1640.
1888.62	1579.	1454.	1488.	1949.	1639.	1817.	1608.
1918.47	1528.	1412.	1435.	1834.	1592.	1751.	1571.
1948.31	1468.	1370.	1372.	1712.	1539.	1672.	1524.
1978.14	1407.	1315.	1303.	1577.	1476.	1582.	1471.
2007.99	1333.	1263.	1237.	1427.	1408.	1487.	1410.
2037.84	1266.	1202.	1162.	1300.	1337.	1397.	1352.
2067.69	1183.	1130.	1086.	1172.	1262.	1305.	1286.
2097.53	1101.	1059.	1010.	1025.	1177.	1199.	1209.
2127.36	982.2	975.5	915.8	892.7	1078.	1079.	1122.
2157.21	906.1	891.8	818.5	779.8	969.2	959.8	1020.
2187.06	818.9	812.4	733.8	677.2	865.1	842.4	919.0
2216.91	747.0	748.3	654.2	618.1	778.2	757.6	826.8

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TOLERANCE FOR ALL OTHER THERMOCOUPLES $\pm 165^{\circ}\text{F}$.

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	-----DEGREES FAHRENHEIT-----						
99.98-	317.3	362.8	444.4	410.2	386.2	289.6	392.6
85.06-	351.8	391.9	480.1	439.4	421.1	268.6	369.2
70.14-	357.6	403.5	401.8	445.3	438.6	289.6	380.9
55.21-	345.2	380.3	480.1	439.4	426.0	303.5	415.9
40.30-	303.4	337.6	444.4	381.1	392.0	324.5	427.6
25.37-	416.0	497.7	438.2	521.1	508.4	363.7	456.7
10.45-	386.8	438.4	432.4	497.8	490.9	317.5	439.2
4.47	416.0	477.3	451.5	527.0	531.6	357.8	445.1
19.40	416.0	450.0	455.7	527.0	525.8	363.7	462.6
34.31	404.3	455.9	444.0	503.6	502.6	345.4	450.9
49.24	398.5	455.9	440.9	503.6	508.4	352.0	456.7
64.16	416.0	470.1	467.3	521.1	537.5	381.2	474.2
79.08	421.8	484.9	473.1	532.8	537.5	392.9	497.6
94.01	416.0	473.3	473.1	521.1	543.3	369.5	491.7
108.92	416.0	473.3	461.5	503.6	537.5	363.7	474.2
123.95	427.6	479.1	467.3	521.1	537.5	381.2	480.1
138.77	427.6	490.7	473.1	538.6	543.3	381.2	497.6
150.71	521.0	611.7	571.9	645.1	643.7	404.5	509.2
156.68	671.4	731.1	706.6	814.4	791.4	451.3	579.2
162.65	772.4	887.5	821.8	945.4	892.9	624.1	777.5
168.62	829.2	972.9	902.1	1035.	973.7	666.6	844.2
174.59	919.9	1070.	1002.	1135.	1075.	730.4	924.8
180.56	1001.	1147.	1103.	1204.	1222.	829.8	1015.
186.53	1054.	1212.	1193.	1301.	1332.	875.2	1049.
192.50	1121.	1277.	1276.	1393.	1421.	925.7	1102.
198.46	1215.	1380.	1397.	1508.	1534.	1006.	1173.
204.43	1307.	1469.	1503.	1606.	1636.	1117.	1234.
210.40	1389.	1547.	1618.	1700.	1738.	1221.	1397.
225.32	1669.	1784.	1888.	1951.	1989.	1416.	1618.
240.24	1906.	2012.	2135.	2182.	2219.	1620.	1857.
255.17	2142.	2269.	2400.	2428.	2461.	1718.	2075.
270.08	2310.	2460.	2591.	2585.	2629.	1867.	2278.
285.01	2341.	2499.	2630.	2636.	2684.	1908.	2337.
299.93	2365.	2495.	2654.	2664.	2704.	1908.	2384.
314.85	2340.	2475.	2626.	2644.	2680.	1818.	2353.
329.78	2298.	2421.	2571.	2601.	2629.	1764.	2321.
344.69	2224.	2355.	2496.	2526.	2570.	1658.	2224.
359.62	2150.	2273.	2384.	2436.	2488.	1573.	2145.
389.46	1974.	2105.	2174.	2264.	2332.	1398.	1969.
419.30	1817.	1945.	1975.	2096.	2180.	1188.	1788.

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	-----DEGREES FAHRENHEIT-----						
449.15	1678.	1800.	1705.	1951.	2051.	1006.	1530.
479.00	1606.	1741.	1661.	1875.	1985.	971.1	1516.
508.84	1521.	1661.	1558.	1789.	1902.	880.3	1410.
538.68	1504.	1652.	1533.	1764.	1886.	870.2	1343.
568.52	1464.	1614.	1496.	1730.	1846.	829.8	1325.
598.37	1473.	1627.	1503.	1742.	1862.	875.2	1348.
628.22	1546.	1707.	1618.	1826.	1931.	945.9	1437.
658.06	1691.	1869.	1832.	1974.	2071.	1132.	1605.
687.90	1742.	1901.	1900.	2037.	2137.	1202.	1699.
717.74	1771.	1941.	1948.	2076.	2176.	1202.	1729.
747.59	1797.	1949.	1968.	2088.	2180.	1093.	1673.
777.44	1793.	1941.	1975.	2076.	2176.	1079.	1669.
807.28	1784.	1930.	1948.	2072.	2172.	1074.	1656.
810.26	1780.	1937.	1952.	2076.	2176.	1074.	1636.
816.23	1776.	1934.	1956.	2080.	2172.	1074.	1665.
822.20	1784.	1941.	1956.	2076.	2172.	1059.	1665.
828.17	1733.	1885.	1900.	2037.	2141.	976.1	1542.
834.14	1712.	1869.	1872.	2002.	2118.	870.2	1397.
836.12	1690.	1849.	1848.	1986.	2102.	895.4	1406.
838.12	1690.	1861.	1860.	1990.	2114.	981.2	1450.
840.11	1716.	1873.	1876.	1998.	2110.	1016.	1436.
842.09	1712.	1885.	1865.	1998.	2106.	1035.	1503.
844.08	1720.	1889.	1876.	2006.	2114.	1025.	1490.
846.08	1733.	1901.	1892.	2010.	2122.	1025.	1436.
848.06	1746.	1914.	1900.	2025.	2126.	1050.	1490.
850.05	1750.	1914.	1909.	2025.	2129.	1074.	1508.
852.05	1746.	1914.	1904.	2017.	2129.	1064.	1512.
854.03	1767.	1941.	1933.	2041.	2145.	1093.	1529.
856.02	1820.	1992.	1999.	2088.	2188.	1122.	1554.
858.02	1906.	2070.	2081.	2154.	2254.	1155.	1597.
860.00	1974.	2152.	2158.	2221.	2317.	1253.	1673.
861.99	2032.	2214.	2229.	2276.	2371.	1354.	1750.
863.99	2087.	2269.	2283.	2338.	2422.	1412.	1813.
865.97	2118.	2292.	2318.	2358.	2449.	1501.	1878.
867.95	2118.	2292.	2338.	2370.	2461.	1501.	1878.
869.95	2146.	2316.	2349.	2393.	2477.	1530.	1906.
871.94	2165.	2335.	2396.	2416.	2504.	1539.	1926.
873.92	2185.	2358.	2416.	2436.	2523.	1539.	1934.
875.92	2220.	2396.	2439.	2456.	2539.	1539.	1946.
877.91	2232.	2397.	2462.	2479.	2558.	1569.	1981.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
879.89	2247.	2417.	2478.	2499.	2574.	1598.	2012.
881.89	2250.	2425.	2497.	2510.	2590.	1598.	2024.
883.88	2279.	2440.	2513.	2526.	2605.	1615.	2028.
885.86	2290.	2448.	2522.	2538.	2613.	1632.	2032.
887.86	2298.	2452.	2540.	2538.	2613.	1615.	2036.
889.85	2306.	2460.	2552.	2553.	2621.	1607.	2040.
891.83	2306.	2464.	2552.	2557.	2629.	1611.	2036.
893.82	2306.	2464.	2548.	2557.	2629.	1615.	2048.
895.82	2302.	2464.	2552.	2561.	2633.	1607.	2044.
897.80	2298.	2460.	2548.	2561.	2637.	1603.	2044.
899.79	2298.	2464.	2556.	2565.	2633.	1603.	2044.
905.76	2306.	2460.	2556.	2573.	2645.	1598.	2048.
911.73	2306.	2468.	2548.	2581.	2645.	1603.	2051.
917.69	2302.	2452.	2548.	2593.	2645.	1598.	2048.
923.66	2302.	2452.	2536.	2597.	2641.	1573.	2036.
929.63	2306.	2456.	2525.	2605.	2633.	1594.	2048.
935.60	2298.	2452.	2513.	2597.	2645.	1594.	2055.
941.57	2302.	2452.	2509.	2601.	2649.	1577.	2032.
947.54	2298.	2452.	2513.	2601.	2649.	1560.	2024.
953.51	2287.	2433.	2493.	2593.	2645.	1564.	2008.
959.48	2290.	2440.	2486.	2597.	2621.	1573.	2016.
965.45	2275.	2421.	2474.	2573.	2629.	1513.	1958.
971.42	2259.	2409.	2458.	2557.	2617.	1505.	1950.
977.39	2216.	2358.	2400.	2518.	2578.	1470.	1926.
983.36	2103.	2339.	2361.	2495.	2566.	1465.	1922.
989.33	2193.	2343.	2361.	2495.	2555.	1452.	1910.
995.30	2181.	2335.	2349.	2483.	2539.	1443.	1890.
1001.27	2185.	2331.	2353.	2479.	2543.	1425.	1869.
1007.24	2169.	2323.	2345.	2475.	2539.	1407.	1869.
1013.21	2173.	2316.	2330.	2463.	2527.	1407.	1878.
1019.17	2181.	2327.	2330.	2467.	2527.	1385.	1865.
1049.01	2142.	2269.	2291.	2436.	2496.	1367.	1829.
1078.85	2138.	2284.	2291.	2432.	2488.	1363.	1829.
1108.70	2114.	2257.	2252.	2416.	2461.	1389.	1841.
1138.55	2130.	2265.	2271.	2428.	2488.	1394.	1837.
1168.39	2181.	2316.	2330.	2460.	2512.	1425.	1853.
1198.23	2232.	2378.	2400.	2522.	2566.	1492.	1918.
1228.07	2275.	2409.	2447.	2565.	2598.	1573.	1997.
1257.92	2310.	2448.	2486.	2597.	2621.	1658.	2067.
1287.77	2279.	2421.	2447.	2561.	2617.	1713.	2134.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1317.61	2337.	2468.	2525.	2620.	2645.	1675.	2094.
1347.45	2337.	2460.	2525.	2624.	2653.	1671.	2087.
1377.29	2330.	2468.	2528.	2624.	2660.	1671.	2098.
1407.14	2330.	2464.	2536.	2616.	2656.	1671.	2098.
1436.99	2337.	2475.	2540.	2616.	2660.	1718.	2145.
1440.96	2330.	2471.	2540.	2612.	2653.	1701.	2173.
1455.89	2302.	2534.	2626.	2707.	2715.	1962.	2380.
1470.90	2431.	2557.	2661.	2734.	2743.	1896.	2368.
1485.74	2427.	2553.	2669.	2734.	2747.	1879.	2364.
1500.65	2410.	2553.	2669.	2734.	2747.	1867.	2364.
1515.57	2439.	2665.	2691.	2734.	2743.	1871.	2356.
1530.50	2416.	2563.	2665.	2723.	2727.	1859.	2356.
1545.41	2400.	2542.	2665.	2723.	2735.	1859.	2360.
1560.35	2416.	2542.	2669.	2715.	2735.	1859.	2353.
1590.18	2404.	2542.	2665.	2715.	2731.	1855.	2353.
1620.02	2360.	2510.	2642.	2679.	2704.	1835.	2337.
1649.87	2353.	2475.	2619.	2652.	2676.	1814.	2310.
1679.72	2306.	2436.	2575.	2624.	2656.	1806.	2290.
1709.57	2267.	2401.	2532.	2585.	2609.	1769.	2259.
1739.40	2224.	2355.	2478.	2534.	2578.	1718.	2208.
1769.24	2150.	2273.	2361.	2444.	2504.	1603.	2114.
1799.09	2067.	2187.	2249.	2354.	2422.	1492.	1969.
1828.94	1966.	2082.	2109.	2244.	2324.	1389.	1853.
1858.79	1866.	1965.	1956.	2123.	2219.	1281.	1741.
1888.62	1750.	1861.	1807.	2025.	2129.	1136.	1580.
1918.46	1614.	1707.	1596.	1862.	1993.	981.2	1410.
1948.31	1455.	1547.	1362.	1583.	1921.	804.6	1215.
1978.16	1307.	1380.	1155.	1521.	1679.	666.6	1039.
2008.01	1078.	1161.	907.1	1321.	1483.	498.0	819.0
2037.84	834.2	887.5	632.5	1054.	1198.	338.4	585.0
2067.68	532.6	554.7	337.4	703.6	972.8	275.6	439.2
2097.53	247.6	254.2	156.9	324.4	502.6	226.7	338.2
2127.38	177.9	177.8	116.8	233.7	368.8	177.9	254.5
2157.23	141.7	141.7	109.5	177.9	275.1	150.0	212.7
2187.06	133.3	133.4	100.2	150.0	233.4	133.3	184.8
2216.90	125.0	133.4	100.2	163.9	219.5	141.6	184.8
2246.75	133.3	133.4	90.96	150.0	205.6	125.0	184.8

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
09.98-	317.7	369.2	417.1	261.6
85.76-	338.6	387.9	423.0	289.5
70.14-	358.0	392.6	440.6	310.4
55.21-	345.6	404.2	452.3	331.3
40.30-	387.3	404.2	458.2	345.3
25.37-	422.4	468.4	490.2	363.4
10.45-	404.8	427.6	516.8	392.7
4.47	428.2	462.6	505.1	416.1
19.40	422.4	480.1	500.2	421.9
34.31	416.5	457.9	540.2	439.4
49.24	445.8	462.6	534.4	456.9
64.16	451.6	497.6	557.8	468.6
79.08	445.8	497.6	587.1	492.0
94.01	451.6	491.7	575.4	497.8
108.92	457.4	487.1	563.7	509.5
123.85	463.3	485.9	575.4	521.1
138.77	469.1	497.6	581.3	532.8
150.71	533.5	555.9	593.0	556.1
156.68	635.2	612.9	636.3	562.0
162.65	747.0	687.3	680.7	595.3
168.62	830.6	751.0	775.1	629.2
174.59	931.6	834.1	847.3	671.7
180.56	1036.	990.3	863.8	740.7
186.53	1128.	1102.	1087.	804.3
192.50	1217.	1219.	1196.	879.9
198.46	1296.	1334.	1298.	945.4
204.43	1413.	1450.	1416.	1025.
210.40	1536.	1554.	1518.	1122.
225.32	1800.	1825.	1757.	1367.
240.24	2059.	2087.	1907.	1623.
255.17	2302.	2333.	2232.	1891.
270.08	2506.	2532.	2445.	2143.
285.01	2569.	2583.	2527.	2209.
299.93	2601.	2634.	2570.	2287.
314.85	2581.	2595.	2547.	2287.
329.78	2542.	2548.	2527.	2283.
344.69	2444.	2470.	2464.	2244.
359.62	2357.	2376.	2300.	2174.
389.46	2153.	2173.	2229.	2064.
419.30	1953.	1955.	2063.	1911.

CALC	78/25/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 FWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 02 THE BOEING COMPANY	Vol. III
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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
449.15	1745.	1792.	1901.	1751.
479.00	1655.	1673.	1709.	1657.
508.84	1540.	1571.	1706.	1598.
538.68	1480.	1529.	1677.	1585.
568.52	1458.	1472.	1505.	1564.
598.37	1475.	1405.	1509.	1564.
628.22	1557.	1584.	1659.	1611.
658.06	1770.	1792.	1816.	1708.
687.90	1869.	1886.	1974.	1826.
717.74	1910.	1934.	1977.	1858.
747.59	1922.	1938.	1985.	1875.
777.44	1922.	1934.	1985.	1883.
807.28	1910.	1946.	1985.	1883.
810.26	1910.	1946.	1989.	1879.
816.23	1914.	1942.	1989.	1875.
822.20	1922.	1934.	1903.	1875.
828.17	1906.	1894.	1977.	1875.
834.14	1969.	1804.	1926.	1879.
836.12	1981.	1784.	1905.	1879.
838.12	1981.	1788.	1803.	1858.
840.11	1980.	1792.	1880.	1858.
842.09	2001.	1796.	1885.	1850.
844.08	2008.	1796.	1881.	1850.
846.08	2001.	1808.	1885.	1850.
848.06	2012.	1813.	1881.	1850.
850.05	2012.	1825.	1885.	1866.
852.05	2012.	1808.	1885.	1866.
854.03	2020.	1837.	1881.	1858.
856.02	2044.	1849.	1889.	1858.
858.02	2126.	1906.	1905.	1870.
860.00	2200.	1958.	1934.	1895.
861.99	2255.	2001.	1969.	1935.
863.99	2342.	2044.	2004.	1959.
865.97	2386.	2087.	2044.	1994.
867.95	2420.	2094.	2083.	2025.
869.95	2450.	2134.	2115.	2049.
871.94	2470.	2153.	2142.	2092.
873.92	2498.	2173.	2170.	2115.
875.92	2526.	2184.	2189.	2143.
877.91	2561.	2208.	2213.	2154.

CALC	28/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 CWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 02 THE BOEING COMPANY	Vol. III
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TIME SEC.	3-6 C-3M	3-7 C-5M	7-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
879.89	2577.	2220.	2229.	2190.
881.89	2604.	2224.	2252.	2205.
883.88	2628.	2259.	2248.	2233.
885.86	2656.	2270.	2290.	2252.
887.86	2656.	2274.	2201.	2272.
889.85	2660.	2286.	2307.	2280.
891.83	2660.	2282.	2311.	2303.
893.82	2668.	2282.	2319.	2323.
895.82	2668.	2286.	2323.	2311.
897.80	2668.	2286.	2327.	2338.
899.79	2672.	2286.	2327.	2338.
905.76	2670.	2290.	2335.	2338.
911.73	2683.	2298.	2335.	2346.
917.69	2683.	2290.	2343.	2346.
923.66	2687.	2282.	2339.	2358.
929.63	2683.	2286.	2339.	2362.
935.60	2685.	2286.	2346.	2381.
941.57	2683.	2282.	2346.	2338.
947.54	2683.	2278.	2339.	2370.
953.51	2648.	2267.	2335.	2358.
959.48	2620.	2263.	2327.	2350.
965.45	2580.	2224.	2303.	2350.
971.42	2560.	2204.	2294.	2323.
977.39	2553.	2177.	2256.	2291.
983.36	2545.	2149.	2252.	2276.
989.33	2545.	2134.	2232.	2272.
995.30	2510.	2130.	2221.	2244.
1001.27	2495.	2130.	2213.	2233.
1007.24	2467.	2118.	2201.	2221.
1013.21	2455.	2102.	2199.	2213.
1019.17	2451.	2102.	2190.	2197.
1049.01	2353.	2048.	2138.	2170.
1078.85	2381.	2051.	2142.	2170.
1108.70	2357.	2055.	2134.	2166.
1138.55	2389.	2063.	2146.	2197.
1168.39	2428.	2091.	2170.	2221.
1198.23	2401.	2169.	2229.	2276.
1228.07	2577.	2243.	2295.	2299.
1257.92	2640.	2302.	2350.	2377.
1287.77	2670.	2180.	2272.	2354.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
1317.61	2687.	2341.	2398.	2416.
1347.45	2675.	2341.	2394.	2381.
1377.29	2670.	2341.	2394.	2385.
1407.14	2670.	2329.	2396.	2405.
1436.99	2683.	2337.	2390.	2401.
1440.96	2683.	2321.	2394.	2416.
1455.89	2601.	2572.	2504.	2405.
1470.80	2608.	2615.	2602.	2456.
1485.74	2580.	2627.	2602.	2463.
1500.65	2604.	2611.	2606.	2448.
1515.57	2601.	2619.	2602.	2471.
1530.50	2507.	2603.	2606.	2409.
1545.41	2503.	2623.	2614.	2475.
1560.35	2601.	2627.	2610.	2467.
1590.18	2589.	2619.	2610.	2456.
1620.02	2581.	2599.	2504.	2428.
1649.87	2561.	2575.	2574.	2452.
1679.72	2538.	2556.	2547.	2416.
1709.57	2487.	2517.	2519.	2401.
1739.40	2412.	2454.	2472.	2315.
1769.24	2349.	2345.	2398.	2283.
1799.09	2232.	2243.	2307.	2283.
1828.94	2071.	2106.	2189.	2186.
1858.79	1910.	1950.	2071.	2107.
1888.62	1770.	1813.	1946.	1978.
1918.46	1583.	1627.	1791.	1907.
1948.31	1377.	1437.	1612.	1799.
1978.14	1151.	1219.	1420.	1572.
2008.01	926.5	980.2	1224.	1424.
2037.84	704.5	756.3	1019.	1262.
2067.68	533.5	532.5	827.0	1088.
2097.53	369.7	317.2	625.7	925.3
2127.38	303.7	210.7	487.5	703.6
2157.23	226.8	177.9	405.4	556.1
2187.06	198.9	141.7	330.2	445.3
2216.90	177.9	150.0	290.1	369.4
2246.75	177.9	141.7	269.1	351.9

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
99.98-	233.7	225.5	212.9	228.4	225.6	186.6	205.0
85.06-	238.9	225.5	223.3	240.3	238.7	202.2	215.5
70.14-	244.2	229.1	231.2	267.6	243.9	217.9	228.6
55.21-	249.4	233.3	241.7	286.1	254.3	233.6	239.0
40.30-	254.6	238.5	254.8	305.1	267.3	254.5	246.9
25.37-	250.8	243.7	265.2	329.6	277.8	264.9	257.4
10.45-	267.7	248.9	273.1	345.0	291.2	280.6	267.8
4.47	272.9	254.2	283.7	362.2	299.4	294.2	278.3
19.40	280.8	259.4	294.6	381.0	312.0	310.5	286.4
34.31	286.2	264.6	300.1	394.5	323.8	326.8	297.3
49.24	294.4	272.4	308.2	410.5	334.6	343.1	310.9
64.16	300.0	280.2	310.1	426.6	345.5	356.7	319.1
79.08	313.5	285.6	320.0	442.7	359.1	373.0	330.0
94.01	321.6	291.0	340.9	453.5	372.6	386.4	343.6
108.92	332.5	299.2	340.1	466.9	383.3	402.5	354.5
123.85	340.7	307.3	357.3	480.1	396.7	418.6	369.1
138.77	340.8	312.7	365.5	495.9	407.4	429.3	379.9
150.71	357.0	318.1	373.6	511.8	415.4	440.0	389.7
156.68	362.4	320.8	373.6	532.9	426.1	442.7	395.0
162.65	365.1	323.5	374.3	550.3	426.1	450.8	400.4
168.62	367.9	326.3	379.0	595.2	428.8	461.5	405.8
174.59	375.9	329.0	384.3	641.4	436.0	469.5	411.2
180.56	381.3	331.7	389.7	695.3	444.9	480.1	416.5
186.53	392.1	337.1	400.5	746.6	450.2	493.3	421.9
192.50	400.1	339.8	405.9	808.2	460.0	509.1	427.3
198.46	410.9	345.2	414.6	869.8	469.0	532.9	438.0
204.43	421.6	350.6	427.4	946.2	482.2	559.2	443.4
210.40	437.7	356.0	443.5	1032.	498.0	584.9	454.2
225.32	491.1	377.6	494.2	1275.	545.4	677.3	483.5
240.24	575.2	409.7	575.8	1538.	617.5	800.5	525.8
255.17	693.4	463.2	696.7	1815.	712.3	961.4	580.8
270.08	855.2	539.5	851.1	2066.	837.8	1150.	655.4
285.01	1021.	645.0	1012.	2202.	997.0	1322.	755.7
299.93	1156.	762.6	1137.	2283.	1127.	1472.	866.3
314.85	1243.	872.6	1219.	2307.	1242.	1580.	973.5
329.78	1297.	958.9	1278.	2304.	1325.	1652.	1057.
344.69	1329.	1017.	1299.	2259.	1372.	1689.	1124.
359.62	1331.	1055.	1306.	2202.	1399.	1696.	1167.
389.46	1307.	1075.	1275.	2077.	1399.	1670.	1208.
419.30	1258.	1057.	1219.	1941.	1359.	1607.	1208.

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
449.15	1194.	1014.	1150.	1801.	1304.	1517.	1178.
479.00	1135.	969.0	1096.	1713.	1248.	1433.	1131.
508.84	1084.	931.1	1027.	1636.	1196.	1361.	1085.
538.68	1040.	895.7	979.8	1607.	1153.	1309.	1050.
568.52	1036.	875.2	949.3	1580.	1135.	1283.	1037.
598.37	1026.	865.0	930.5	1578.	1127.	1267.	1029.
628.22	1031.	859.9	927.9	1617.	1127.	1275.	1029.
658.06	1056.	872.6	955.9	1707.	1145.	1303.	1040.
687.90	1099.	895.7	1009.	1801.	1176.	1364.	1062.
717.74	1146.	926.0	1052.	1848.	1222.	1422.	1098.
747.59	1179.	961.4	1091.	1873.	1255.	1464.	1131.
777.44	1100.	984.2	1116.	1881.	1278.	1491.	1160.
807.28	1217.	1007.	1132.	1884.	1299.	1504.	1180.
810.26	1217.	1009.	1134.	1879.	1299.	1506.	1183.
816.23	1223.	1012.	1134.	1881.	1301.	1512.	1190.
822.20	1225.	1014.	1137.	1881.	1304.	1514.	1193.
828.17	1228.	1017.	1139.	1873.	1307.	1512.	1196.
834.14	1228.	1017.	1132.	1879.	1309.	1512.	1201.
836.12	1230.	1022.	1132.	1876.	1312.	1514.	1201.
838.12	1230.	1020.	1129.	1870.	1309.	1514.	1201.
840.11	1230.	1020.	1124.	1870.	1312.	1514.	1203.
842.09	1233.	1020.	1124.	1870.	1309.	1517.	1203.
844.08	1233.	1020.	1116.	1870.	1314.	1514.	1203.
846.08	1233.	1020.	1111.	1873.	1312.	1514.	1206.
848.06	1233.	1020.	1108.	1870.	1314.	1514.	1206.
850.05	1233.	1022.	1106.	1876.	1314.	1520.	1206.
852.05	1233.	1020.	1101.	1876.	1314.	1520.	1208.
854.03	1233.	1020.	1098.	1876.	1314.	1522.	1208.
856.02	1235.	1022.	1096.	1887.	1317.	1525.	1208.
858.02	1235.	1022.	1093.	1906.	1314.	1525.	1211.
860.00	1235.	1022.	1098.	1932.	1317.	1530.	1211.
861.99	1238.	1022.	1098.	1961.	1317.	1533.	1211.
863.99	1241.	1025.	1098.	1989.	1317.	1538.	1214.
865.97	1246.	1025.	1099.	2020.	1317.	1546.	1216.
867.95	1251.	1025.	1091.	2040.	1320.	1554.	1216.
869.95	1253.	1032.	1091.	2060.	1322.	1559.	1216.
871.94	1261.	1027.	1093.	2089.	1325.	1567.	1219.
873.92	1269.	1032.	1098.	2106.	1328.	1578.	1224.
875.92	1276.	1035.	1101.	2121.	1330.	1591.	1226.
877.91	1282.	1035.	1103.	2148.	1333.	1596.	1226.

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
879.89	1292.	1035.	1108.	2172.	1336.	1607.	1229.
881.89	1297.	1042.	1114.	2193.	1341.	1617.	1231.
883.88	1305.	1042.	1116.	2217.	1346.	1628.	1237.
885.86	1315.	1045.	1124.	2238.	1354.	1644.	1242.
887.86	1323.	1047.	1129.	2250.	1359.	1654.	1244.
889.85	1334.	1052.	1134.	2259.	1364.	1670.	1247.
891.83	1342.	1055.	1139.	2283.	1372.	1681.	1252.
893.82	1350.	1057.	1142.	2292.	1378.	1691.	1257.
895.82	1363.	1065.	1150.	2298.	1383.	1705.	1260.
897.80	1368.	1068.	1155.	2307.	1388.	1716.	1267.
899.79	1376.	1073.	1160.	2310.	1396.	1727.	1273.
905.76	1400.	1085.	1175.	2328.	1417.	1757.	1298.
911.73	1418.	1095.	1186.	2340.	1438.	1785.	1304.
917.69	1434.	1108.	1189.	2349.	1459.	1807.	1322.
923.66	1447.	1118.	1206.	2358.	1478.	1826.	1338.
929.63	1461.	1131.	1216.	2364.	1494.	1843.	1351.
935.60	1471.	1144.	1227.	2376.	1509.	1862.	1367.
941.57	1479.	1151.	1232.	2367.	1520.	1876.	1383.
947.54	1487.	1159.	1242.	2379.	1530.	1890.	1393.
953.51	1495.	1169.	1250.	2367.	1541.	1895.	1404.
959.48	1498.	1177.	1252.	2364.	1551.	1901.	1415.
965.45	1503.	1185.	1257.	2352.	1557.	1906.	1423.
971.42	1506.	1192.	1260.	2340.	1562.	1904.	1430.
977.39	1506.	1197.	1263.	2322.	1567.	1904.	1436.
983.36	1506.	1203.	1260.	2307.	1570.	1898.	1441.
989.33	1503.	1205.	1260.	2304.	1570.	1892.	1444.
995.30	1503.	1205.	1263.	2280.	1570.	1892.	1446.
1001.27	1498.	1210.	1263.	2274.	1567.	1890.	1449.
1007.24	1495.	1210.	1260.	2259.	1565.	1884.	1452.
1013.21	1490.	1213.	1260.	2253.	1565.	1879.	1452.
1019.17	1490.	1213.	1257.	2241.	1562.	1873.	1452.
1049.01	1470.	1213.	1255.	2202.	1551.	1851.	1454.
1078.85	1471.	1215.	1252.	2208.	1538.	1834.	1446.
1108.70	1470.	1223.	1257.	2187.	1544.	1834.	1452.
1138.55	1487.	1231.	1265.	2211.	1546.	1840.	1462.
1168.39	1503.	1243.	1278.	2235.	1557.	1859.	1470.
1198.23	1510.	1259.	1299.	2274.	1570.	1881.	1483.
1228.07	1548.	1279.	1328.	2316.	1594.	1918.	1504.
1257.92	1570.	1313.	1359.	2379.	1623.	1963.	1531.
1287.77	1609.	1336.	1388.	2379.	1652.	1995.	1565.

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	-----DEGREES FAHRENHEIT-----						
1317.61	1632.	1365.	1415.	2422.	1673.	2023.	1586.
1347.45	1648.	1384.	1431.	2419.	1694.	2037.	1608.
1377.29	1664.	1405.	1447.	2419.	1704.	2049.	1621.
1407.14	1675.	1418.	1463.	2425.	1715.	2054.	1637.
1436.99	1688.	1436.	1476.	2428.	1726.	2060.	1647.
1440.96	1688.	1439.	1481.	2428.	1729.	2060.	1650.
1455.89	1698.	1455.	1537.	2438.	1737.	2066.	1658.
1470.80	1715.	1478.	1590.	2469.	1749.	2074.	1668.
1485.74	1726.	1502.	1624.	2482.	1760.	2080.	1682.
1500.65	1740.	1523.	1648.	2472.	1771.	2091.	1690.
1515.57	1754.	1542.	1666.	2485.	1779.	2097.	1700.
1530.50	1762.	1557.	1682.	2491.	1790.	2106.	1711.
1545.41	1773.	1568.	1690.	2485.	1801.	2112.	1720.
1560.35	1781.	1578.	1698.	2488.	1806.	2118.	1728.
1580.18	1787.	1592.	1706.	2485.	1815.	2121.	1744.
1620.02	1795.	1602.	1720.	2472.	1820.	2124.	1753.
1649.87	1795.	1607.	1723.	2466.	1823.	2121.	1756.
1679.72	1787.	1607.	1714.	2447.	1820.	2109.	1756.
1709.57	1781.	1599.	1706.	2425.	1812.	2097.	1750.
1739.40	1762.	1592.	1690.	2376.	1801.	2074.	1742.
1769.24	1745.	1576.	1664.	2331.	1782.	2049.	1728.
1799.09	1718.	1552.	1632.	2277.	1760.	2012.	1706.
1828.94	1677.	1523.	1597.	2187.	1729.	1966.	1684.
1858.79	1640.	1489.	1542.	2100.	1694.	1912.	1655.
1888.62	1598.	1455.	1492.	1998.	1657.	1848.	1621.
1918.46	1550.	1413.	1436.	1904.	1615.	1785.	1584.
1948.31	1498.	1368.	1370.	1787.	1567.	1721.	1547.
1978.16	1426.	1315.	1304.	1617.	1509.	1625.	1494.
2008.01	1358.	1259.	1232.	1470.	1433.	1520.	1433.
2037.84	1284.	1203.	1160.	1311.	1364.	1412.	1367.
2067.68	1207.	1139.	1086.	1170.	1288.	1301.	1296.
2097.53	1115.	1068.	1004.	1030.	1196.	1193.	1214.
2127.38	1016.	981.6	907.6	895.5	1094.	1063.	1116.
2157.23	910.2	895.7	800.9	780.0	982.8	933.5	1012.
2187.06	839.8	826.6	730.1	672.2	883.0	815.9	909.9
2216.90	780.7	778.0	678.7	595.2	801.0	723.5	822.6
2246.75	731.9	737.1	637.5	535.5	737.9	654.2	755.7

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-20, T-21, T-22, & T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

Thermocouple No.

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T-10, T-11, C-4M, T-12, T-13, T-14, T-15

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C-3M, C-5M, T-16, T-24

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T-17, T-18, T-19, T-20, T-21, T-22, T-23

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TIME SEC.	5-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
-----DEGREES FAHRENHEIT-----							
99.99-	351.7	392.3	374.3	415.8	396.2	289.3	415.7
85.06-	363.4	415.6	380.1	421.6	397.8	338.0	474.0
70.15-	369.2	415.6	391.8	439.1	415.2	331.1	462.4
55.22-	380.9	427.2	415.0	456.6	432.7	351.6	485.7
40.30-	386.7	438.9	415.0	468.2	444.3	351.6	479.8
25.38-	386.7	438.9	415.0	474.1	450.1	345.0	491.5
10.45-	392.6	456.4	432.4	491.5	461.8	380.8	532.3
4.46	415.9	468.0	444.0	509.0	473.4	357.5	503.2
19.39	421.7	485.5	455.7	526.5	496.7	398.3	549.8
34.31	421.7	479.7	455.7	520.7	496.7	345.0	491.5
49.23	427.6	485.5	473.1	532.3	496.7	380.8	543.9
64.16	430.2	497.1	473.1	538.2	514.1	380.8	520.6
79.07	439.2	508.8	478.9	544.0	525.7	404.1	555.6
94.00	445.1	514.6	496.3	561.5	531.5	386.6	532.3
108.92	450.9	508.8	496.3	561.5	531.5	421.6	573.9
123.94	450.9	520.4	496.3	561.5	537.4	363.3	532.3
138.77	456.7	514.6	496.3	561.5	537.4	421.6	596.4
150.71	509.2	578.7	554.4	612.7	595.5	398.3	573.1
156.67	607.6	691.9	648.4	724.1	696.5	538.1	729.4
162.64	703.2	828.3	770.1	864.0	817.4	628.6	843.7
168.61	808.9	954.0	802.1	999.0	927.9	681.6	904.1
174.58	894.5	1023.	897.4	1092.	1018.	777.1	994.8
180.54	965.0	1120.	1089.	1195.	1114.	858.8	1062.
186.51	1049.	1195.	1193.	1274.	1193.	929.3	1135.
192.48	1111.	1246.	1276.	1352.	1277.	994.8	1181.
198.45	1177.	1310.	1362.	1423.	1336.	1053.	1251.
204.41	1266.	1413.	1481.	1520.	1434.	1135.	1338.
210.38	1343.	1489.	1575.	1605.	1530.	1181.	1432.
225.32	1605.	1739.	1864.	1940.	1797.	1383.	1681.
240.23	1817.	1932.	2096.	2051.	1989.	1528.	1885.
255.15	2075.	2206.	2400.	2301.	2254.	1698.	2109.
270.08	2263.	2405.	2626.	2523.	2468.	1868.	2312.
284.99	2290.	2436.	2654.	2578.	2511.	1893.	2379.
299.93	2341.	2483.	2705.	2625.	2554.	1881.	2402.
314.84	2309.	2424.	2661.	2602.	2534.	1816.	2382.
329.76	2286.	2397.	2642.	2570.	2511.	1753.	2351.
344.69	2180.	2295.	2525.	2496.	2410.	1660.	2265.
359.60	2079.	2202.	2419.	2398.	2308.	1558.	217..
389.45	1950.	2061.	2264.	2242.	2148.	1414.	1996.
419.30	1720.	1847.	2018.	2070.	1934.	1233.	1812.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
-----DEGREES FAHRENHEIT-----							
449.15	1571.	1697.	1860.	1953.	1780.	1062.	1617.
478.98	1472.	1587.	1745.	1952.	1682.	1009.	1541.
508.82	1379.	1493.	1626.	1758.	1585.	934.4	1427.
538.67	1339.	1449.	1547.	1702.	1538.	914.2	1396.
569.51	1298.	1431.	1529.	1677.	1500.	889.0	1365.
599.36	1307.	1440.	1537.	1668.	1496.	924.3	1374.
629.20	1392.	1527.	1639.	1766.	1593.	999.8	1463.
659.04	1563.	1710.	1848.	1945.	1788.	1167.	1638.
688.98	1597.	1782.	1940.	2031.	1870.	1261.	1740.
718.73	1605.	1823.	1979.	2070.	1902.	1283.	1766.
748.58	1635.	1835.	2003.	2094.	1918.	1181.	1698.
778.42	1627.	1847.	2010.	2101.	1918.	1167.	1685.
808.26	1610.	1827.	1995.	2086.	1906.	1167.	1689.
810.26	1601.	1827.	1991.	2086.	1902.	1167.	1685.
816.23	1614.	1827.	2003.	2086.	1906.	1172.	1685.
822.20	1597.	1807.	1997.	2074.	1906.	1167.	1681.
828.16	1576.	1790.	1964.	2062.	1882.	1101.	1596.
834.13	1516.	1739.	1917.	2011.	1829.	1014.	1463.
836.12	1503.	1735.	1904.	2000.	1817.	999.8	1441.
838.10	1508.	1731.	1904.	1996.	1813.	1058.	1485.
840.10	1512.	1739.	1900.	1996.	1809.	1077.	1485.
842.09	1520.	1765.	1917.	2008.	1821.	1111.	1515.
844.07	1537.	1773.	1929.	2023.	1845.	1139.	1541.
846.07	1542.	1765.	1925.	2023.	1845.	1125.	1537.
848.06	1550.	1773.	1933.	2027.	1845.	1106.	1515.
850.04	1550.	1786.	1944.	2035.	1853.	1082.	1489.
852.03	1576.	1786.	1944.	2039.	1861.	1087.	1485.
854.03	1584.	1798.	1956.	2047.	1865.	1116.	1503.
856.01	1588.	1807.	1960.	2047.	1870.	1153.	1549.
858.00	1639.	1851.	2018.	2086.	1910.	1195.	1600.
860.00	1707.	1928.	2092.	2152.	1985.	1247.	1638.
861.98	1808.	2022.	2170.	2242.	2063.	1338.	1732.
863.97	1896.	2100.	2244.	2308.	2137.	1441.	1824.
865.97	1958.	2174.	2330.	2379.	2207.	1507.	1877.
867.95	1989.	2202.	2357.	2402.	2238.	1528.	1901.
869.94	2020.	2206.	2377.	2422.	2258.	1545.	1921.
871.94	2032.	2217.	2408.	2437.	2277.	1554.	1929.
873.92	2067.	2249.	2427.	2461.	2316.	1592.	1960.
875.90	2090.	2264.	2458.	2477.	2336.	1592.	1972.
877.90	2114.	2295.	2492.	2504.	2359.	1583.	1984.

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TIME SEC.	5-2 T-10	7-2 T-11	7-6 C-44	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
879.89	2130.	2319.	2509.	2531.	2386.	1596.	1996.
881.87	2145.	2338.	2540.	2547.	2414.	1613.	2015.
883.87	2157.	2362.	2564.	2563.	2433.	1626.	2031.
885.86	2180.	2377.	2587.	2574.	2449.	1668.	2066.
887.84	2196.	2405.	2599.	2578.	2472.	1655.	2054.
889.84	2188.	2389.	2603.	2574.	2472.	1643.	2062.
891.83	2204.	2413.	2614.	2570.	2488.	1655.	2066.
893.81	2208.	2413.	2626.	2563.	2492.	1651.	2066.
895.81	2220.	2428.	2638.	2570.	2499.	1634.	2062.
897.80	2235.	2436.	2646.	2570.	2515.	1626.	2058.
899.78	2243.	2432.	2646.	2574.	2519.	1621.	2062.
905.75	2255.	2440.	2658.	2598.	2531.	1626.	2066.
911.72	2255.	2448.	2665.	2602.	2534.	1613.	2054.
917.69	2223.	2409.	2630.	2574.	2507.	1621.	2074.
923.66	2216.	2413.	2626.	2582.	2492.	1600.	2054.
929.63	2188.	2381.	2603.	2570.	2480.	1613.	2062.
935.60	2180.	2354.	2571.	2551.	2449.	1630.	2062.
941.57	2149.	2346.	2556.	2547.	2433.	1630.	2062.
947.54	2153.	2346.	2552.	2551.	2433.	1617.	2062.
953.51	2145.	2338.	2544.	2539.	2433.	1613.	2039.
959.48	2141.	2334.	2536.	2531.	2421.	1588.	2023.
965.45	2130.	2315.	2513.	2520.	2402.	1592.	2015.
971.42	2102.	2288.	2493.	2520.	2379.	1545.	1996.
977.38	2071.	2264.	2470.	2500.	2355.	1520.	1960.
983.35	2036.	2217.	2416.	2453.	2316.	1511.	1945.
989.32	2032.	2209.	2408.	2434.	2293.	1520.	1937.
995.29	2001.	2174.	2380.	2402.	2269.	1494.	1905.
1001.25	2001.	2167.	2377.	2383.	2262.	1489.	1905.
1007.22	2008.	2178.	2373.	2387.	2265.	1485.	1905.
1013.19	1993.	2163.	2365.	2371.	2258.	1445.	1877.
1019.16	1989.	2155.	2361.	2367.	2258.	1476.	1889.
1049.00	1950.	2139.	2330.	2336.	2230.	1432.	1848.
1078.85	1934.	2127.	2314.	2340.	2223.	1441.	1860.
1108.70	1890.	2085.	2275.	2293.	2176.	1454.	1852.
1138.54	1934.	2127.	2314.	2336.	2207.	1463.	1848.
1168.38	1958.	2151.	2353.	2375.	2242.	1489.	1885.
1188.22	2028.	2217.	2416.	2418.	2304.	1575.	1968.
1228.07	2137.	2307.	2505.	2500.	2382.	1621.	2007.
1257.92	2180.	2338.	2552.	2531.	2433.	1719.	2105.
1287.76	2212.	2377.	2591.	2563.	2472.	1766.	2140.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
99.99-	296.5	357.5	404.8	247.6
85.06-	317.5	369.1	416.5	254.6
70.15-	331.4	386.6	430.9	282.4
55.22-	345.4	415.7	457.5	296.4
40.30-	357.8	415.7	475.0	310.3
25.38-	381.2	415.7	486.7	324.3
10.45-	398.7	421.5	492.5	338.2
4.46	416.2	439.0	504.2	357.6
19.39	416.2	456.5	533.5	369.3
34.31	422.1	450.7	539.3	381.0
49.23	427.9	462.3	556.9	392.6
64.16	451.3	462.3	551.0	404.3
79.07	457.1	485.7	574.4	421.8
94.00	457.1	485.7	574.4	427.6
108.92	451.3	497.3	586.1	445.1
123.84	462.9	485.7	586.1	445.1
138.77	468.8	497.3	586.1	462.6
150.71	498.0	509.0	602.0	456.8
156.67	591.4	561.4	614.0	462.6
162.64	698.5	628.5	656.6	480.1
168.61	794.2	708.1	720.4	509.3
174.58	910.5	838.7	805.3	556.0
180.54	996.3	964.5	921.5	607.7
186.51	1093.	1077.	1036.	676.7
192.48	1183.	1181.	1151.	751.1
198.45	1272.	1302.	1264.	839.3
204.41	1389.	1427.	1369.	930.0
210.38	1513.	1520.	1489.	1029.
225.32	1773.	1787.	1736.	1280.
240.23	1987.	2039.	1977.	1572.
255.15	2273.	2300.	2208.	1841.
270.08	2496.	2523.	2432.	2087.
284.99	2551.	2574.	2518.	2243.
299.93	2602.	2617.	2569.	2333.
314.84	2586.	2578.	2541.	2337.
329.76	2551.	2554.	2546.	2322.
344.69	2461.	2457.	2487.	2267.
359.60	2367.	2355.	2416.	2212.
389.45	2089.	2183.	2263.	2107.
419.30	1987.	1972.	2106.	2013.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
449.15	1790.	1783.	1950.	1858.
478.98	1688.	1668.	1836.	1733.
508.82	1603.	1558.	1736.	1657.
538.67	1518.	1503.	1660.	1631.
569.51	1505.	1467.	1617.	1601.
599.36	1492.	1472.	1604.	1597.
629.20	1564.	1570.	1664.	1631.
659.04	1773.	1761.	1836.	1729.
688.88	1908.	1872.	1961.	1825.
718.73	1932.	1925.	1997.	1882.
748.58	1940.	1937.	1997.	1927.
778.42	1963.	1929.	1997.	1931.
808.26	1920.	1913.	1993.	1934.
810.26	1912.	1917.	1993.	1931.
816.23	1924.	1925.	1997.	1919.
842.20	1892.	1925.	1997.	1910.
848.16	1944.	1905.	1993.	1910.
854.13	1979.	1816.	1954.	1914.
856.12	1995.	1799.	1942.	1919.
858.10	1999.	1793.	1926.	1919.
840.10	1999.	1766.	1918.	1923.
842.09	2010.	1783.	1906.	1927.
844.07	2006.	1783.	1902.	1919.
846.07	1983.	1774.	1898.	1906.
848.06	1987.	1783.	1898.	1906.
850.04	2010.	1795.	1894.	1914.
852.03	2026.	1807.	1894.	1923.
854.03	2034.	1811.	1898.	1931.
856.01	2018.	1807.	1902.	1927.
858.00	2061.	1864.	1910.	1934.
860.00	2132.	1937.	1930.	1934.
861.98	2222.	1992.	1954.	1946.
863.97	2277.	2015.	1997.	1977.
865.97	2371.	2070.	2036.	1993.
867.95	2410.	2089.	2075.	2032.
869.94	2433.	2117.	2114.	2067.
871.94	2469.	2124.	2146.	2095.
873.92	2496.	2160.	2169.	2130.
875.90	2512.	2164.	2197.	2146.
877.90	2551.	2179.	2220.	2169.

CALC	08/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 03 THE BOEING COMPANY	Vol. III
CHECK	<i>Repetitive</i>	<i>10/6/61</i>				02-88685
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U6 5553 7450 (WAS BAC 1745 A-R1)

2-5000

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
449.15	1790.	1783.	1850.	1858.
478.98	1688.	1668.	1836.	1733.
508.82	1603.	1558.	1736.	1657.
538.67	1518.	1503.	1660.	1631.
569.51	1505.	1467.	1617.	1601.
589.36	1492.	1472.	1604.	1597.
629.20	1564.	1570.	1664.	1631.
659.04	1773.	1761.	1836.	1729.
688.98	1908.	1872.	1961.	1825.
718.73	1932.	1925.	1997.	1882.
748.58	1940.	1937.	1997.	1927.
778.42	1963.	1929.	1997.	1931.
808.26	1920.	1913.	1993.	1934.
810.26	1912.	1917.	1993.	1931.
816.23	1924.	1925.	1997.	1919.
822.20	1892.	1925.	1997.	1910.
828.16	1944.	1905.	1993.	1910.
834.13	1979.	1816.	1954.	1914.
836.12	1995.	1799.	1942.	1919.
838.10	1999.	1783.	1926.	1919.
840.10	1999.	1766.	1918.	1923.
842.09	2010.	1783.	1906.	1927.
844.07	2006.	1783.	1902.	1919.
846.07	1983.	1774.	1898.	1906.
848.06	1987.	1783.	1898.	1906.
850.04	2010.	1795.	1894.	1914.
852.03	2026.	1807.	1894.	1923.
854.03	2034.	1811.	1898.	1931.
856.01	2018.	1807.	1902.	1927.
858.00	2061.	1864.	1910.	1934.
860.00	2132.	1937.	1930.	1934.
861.98	2222.	1992.	1954.	1946.
863.97	2277.	2015.	1997.	1977.
865.97	2371.	2070.	2036.	1993.
867.95	2410.	2089.	2075.	2032.
869.94	2433.	2117.	2114.	2067.
871.94	2469.	2124.	2146.	2095.
873.92	2496.	2160.	2169.	2130.
875.90	2512.	2164.	2197.	2146.
877.90	2551.	2179.	2220.	2169.

CALC	08/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 FWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 03 THE BOEING COMPANY	Vol. III
CHECK	<i>Revised 10/6/61</i>					02-8085
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U6 5553 7450 (WAS BAC 1745 A-R1)

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TIME SEC.	J-6 C-3M	J-7 C-5M	J-5 T-16	J-5 T-24
	-----DEGREES FAHRENHEIT-----			
879.89	2578.	2207.	2240.	2196.
881.87	2598.	2226.	2243.	2224.
883.87	2621.	2242.	2279.	2243.
885.86	2637.	2261.	2303.	2275.
887.84	2665.	2257.	2322.	2290.
889.84	2645.	2261.	2330.	2310.
891.83	2665.	2281.	2346.	2318.
893.81	2669.	2273.	2353.	2341.
895.81	2681.	2273.	2361.	2337.
897.80	2681.	2273.	2365.	2349.
899.78	2685.	2269.	2369.	2353.
905.75	2692.	2281.	2385.	2361.
911.72	2692.	2285.	2389.	2384.
917.69	2681.	2261.	2385.	2392.
923.66	2681.	2265.	2381.	2400.
929.63	2681.	2257.	2381.	2392.
935.60	2688.	2277.	2381.	2415.
941.57	2688.	2273.	2381.	2415.
947.54	2688.	2277.	2381.	2392.
953.51	2692.	2261.	2373.	2400.
959.48	2673.	2246.	2345.	2404.
965.45	2625.	2230.	2346.	2400.
971.42	2606.	2199.	2330.	2392.
977.38	2586.	2156.	2303.	2376.
983.35	2578.	2140.	2279.	2353.
989.32	2559.	2124.	2267.	2341.
995.29	2543.	2113.	2255.	2337.
1001.25	2527.	2101.	2240.	2322.
1007.22	2523.	2093.	2236.	2318.
1013.19	2496.	2085.	2224.	2306.
1019.16	2488.	2085.	2216.	2298.
1049.00	2406.	2039.	2185.	2267.
1078.85	2386.	2031.	2161.	2243.
1108.70	2386.	2035.	2165.	2243.
1138.54	2384.	2046.	2173.	2251.
1168.38	2433.	2085.	2193.	2271.
1198.22	2496.	2140.	2248.	2310.
1228.07	2574.	2230.	2310.	2357.
1257.92	2653.	2285.	2373.	2415.
1287.76	2681.	2335.	2408.	2439.

CALC	4/25/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 03 THE BOEING COMPANY	Vol III
CHECK	<i>Boeing</i>				22-80085
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U6 5553 7450 (WAS BAC 1745 A-R1)
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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1317.60	2235.	2401.	2626.	2570.	2496.	1723.	2121.
1347.44	2223.	2389.	2614.	2563.	2496.	1728.	2128.
1377.29	2220.	2389.	2603.	2547.	2488.	1702.	2113.
1407.14	2216.	2370.	2597.	2543.	2476.	1706.	2125.
1436.98	2208.	2373.	2597.	2539.	2472.	1723.	2113.
1440.95	2212.	2358.	2593.	2547.	2468.	1723.	2113.
1455.88	2364.	2479.	2607.	2649.	2570.	2031.	2414.
1470.90	2349.	2475.	2649.	2649.	2554.	1957.	2406.
1485.72	2317.	2455.	2691.	2633.	2554.	1925.	2390.
1500.65	2337.	2471.	2693.	2645.	2566.	1909.	2398.
1515.56	2352.	2475.	2701.	2653.	2573.	1929.	2398.
1540.49	2356.	2483.	2708.	2653.	2573.	1917.	2398.
1545.41	2337.	2491.	2705.	2653.	2581.	1937.	2398.
1560.33	2329.	2475.	2697.	2633.	2577.	1917.	2394.
1560.17	2313.	2467.	2699.	2641.	2566.	1905.	2379.
1620.02	2306.	2448.	2673.	2621.	2550.	1872.	2363.
1649.97	2302.	2436.	2658.	2614.	2534.	1864.	2347.
1679.71	2278.	2401.	2634.	2590.	2511.	1856.	2339.
1709.55	2243.	2358.	2591.	2574.	2476.	1848.	2289.
1739.39	2173.	2299.	2525.	2535.	2410.	1795.	2242.
1769.24	2087.	2202.	2412.	2477.	2312.	1702.	2132.
1649.87	2302.	2436.	2658.	2614.	2534.	1864.	2347.
1679.71	2278.	2401.	2634.	2590.	2511.	1856.	2339.
1709.55	2243.	2358.	2591.	2574.	2476.	1848.	2289.
1739.39	2173.	2299.	2525.	2535.	2410.	1795.	2242.
1769.24	2087.	2202.	2412.	2477.	2312.	1702.	2132.
1709.09	1985.	2100.	2314.	2398.	2207.	1588.	2027.
1828.93	1829.	1936.	2135.	2242.	2051.	1449.	1881.
1858.77	1690.	1807.	1991.	2101.	1898.	1352.	1757.
1808.61	1529.	1650.	1844.	1980.	1780.	1214.	1613.
1918.46	1334.	1471.	1643.	1774.	1585.	1077.	1445.
1948.31	1150.	1287.	1442.	1588.	1412.	879.0	1242.
1978.15	980.2	1101.	1221.	1370.	1212.	803.5	1101.
2007.99	782.8	838.6	982.4	1139.	1008.	612.6	873.9
2037.83	526.7	584.5	680.2	803.5	717.7	415.7	628.6
2067.68	317.2	303.1	380.1	444.9	444.3	289.3	439.0
2067.53	198.8	219.6	254.1	296.3	330.7	219.6	338.0
2127.37	163.9	170.9	199.6	219.6	247.3	177.8	268.4
2157.21	141.7	150.0	163.9	177.8	205.6	141.7	219.6
2187.05	125.0	125.0	133.4	163.9	177.8	125.0	191.8
2216.90	125.0	133.4	150.0	177.8	177.8	141.7	198.7

CALC	08/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 03	Vol. III
CHECK	<i>Revised 9/3/63</i>					
APR						
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					THE BOEING COMPANY	D2-80885
						PAGE 12.00
CONTRACT NO.					LEADING TEST TEST LT-5-617-2-1	3-346
U6 5553 7450 (WAS BAC 1745 A-R1)					EWA NO. 05617	
9/3/63					COND. NO. 02	
					SPEC. 0376	
					RUN 03	2-5000

TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
1317.60	2696.	2339.	2420.	2466.
1347.44	2696.	2335.	2424.	2466.
1377.29	2700.	2320.	2416.	2443.
1407.14	2696.	2324.	2408.	2431.
1436.98	2700.	2308.	2408.	2455.
1440.95	2708.	2312.	2404.	2470.
1455.88	2598.	2586.	2538.	2502.
1470.80	2614.	2617.	2605.	2521.
1485.72	2621.	2586.	2601.	2505.
1500.65	2614.	2593.	2601.	2521.
1515.56	2602.	2593.	2616.	2533.
1540.49	2621.	2597.	2616.	2537.
1545.41	2614.	2597.	2620.	2541.
1560.33	2606.	2593.	2624.	2521.
1580.17	2606.	2593.	2616.	2533.
1620.02	2586.	2546.	2609.	2525.
1649.87	2562.	2539.	2507.	2509.
1679.71	2530.	2531.	2577.	2486.
1709.55	2519.	2492.	2549.	2478.
1739.39	2476.	2425.	2409.	2443.
1769.24	2390.	2320.	2424.	2388.
1799.09	2269.	2203.	2338.	2314.
1828.93	2089.	2050.	2212.	2220.
1858.77	1956.	1925.	2095.	2130.
1888.61	1827.	1774.	1977.	2036.
1918.46	1620.	1592.	1832.	1923.
1948.31	1416.	1396.	1617.	1784.
1978.15	1107.	1153.	1377.	1627.
2007.99	976.1	914.2	1170.	1464.
2037.83	709.1	655.1	991.2	1284.
2067.68	422.1	392.4	635.3	1058.
2097.53	331.4	268.4	469.2	859.4
2127.37	275.6	205.7	375.6	703.3
2157.21	219.8	170.9	317.7	573.4
2187.05	184.9	150.0	261.8	450.9
2216.90	177.9	150.0	240.8	404.3
CALC	4/25/1		REVISED	DATE
CHECK	<i>Boeing</i>			
APR				
APR				
CONTRACT NO.				
LEADING EDGE TEST LT-5-617-2-1				
FWA NO. 05617 SPEC. 0376				
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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
99.99-	236.3	228.3	229.5	223.1	228.3	178.8	207.5
85.06-	238.9	230.9	238.9	241.4	238.7	189.3	215.3
70.15-	241.5	233.5	244.2	254.5	243.0	202.3	223.2
55.22-	246.7	238.7	254.6	267.6	254.4	212.8	231.0
40.30-	254.5	243.9	265.1	283.4	259.6	225.9	238.9
25.38-	257.2	249.1	272.9	296.9	267.4	239.0	246.7
10.45-	265.0	254.3	283.5	310.5	275.2	249.4	254.5
4.46	267.6	256.9	294.4	324.1	283.2	259.9	259.8
19.39	272.8	262.2	302.6	337.7	291.3	273.0	267.6
34.31	275.5	270.0	313.5	351.3	302.2	283.6	275.5
49.23	283.4	275.2	324.4	364.9	310.3	294.5	283.4
64.16	291.6	287.4	329.8	375.7	318.5	302.6	291.6
79.07	299.7	285.9	340.7	389.1	332.1	319.0	302.5
94.00	307.9	291.3	346.1	402.5	340.2	332.6	313.3
108.92	316.1	299.4	357.0	415.9	353.8	346.2	324.2
123.84	324.2	307.6	365.2	426.6	364.6	357.1	335.1
138.77	332.4	313.0	373.3	437.1	375.4	369.0	346.0
150.71	340.5	318.4	378.7	445.4	383.4	373.4	354.1
156.67	343.2	321.1	381.4	456.1	386.1	378.7	356.8
162.64	346.0	323.9	384.0	460.1	391.5	386.8	362.3
168.61	348.7	326.6	386.4	506.5	394.2	392.2	367.7
174.58	351.4	327.3	394.8	546.1	399.5	400.2	373.1
180.54	356.8	334.7	402.9	595.2	404.9	411.0	375.8
186.51	362.3	337.4	408.2	649.1	407.6	427.1	381.2
192.48	370.4	340.1	419.0	713.3	415.6	443.2	386.5
198.45	375.8	345.6	429.7	780.0	426.3	464.7	391.9
204.41	384.5	351.0	440.5	857.0	431.7	496.5	400.0
210.38	400.0	356.4	453.9	943.7	445.1	528.2	408.0
225.32	442.9	378.0	507.0	1196.	487.6	642.2	437.5
240.23	522.5	415.5	595.8	1470.	550.9	786.2	480.3
255.15	631.4	466.4	716.6	1754.	638.3	965.3	535.7
270.08	790.6	542.9	869.2	2035.	758.7	1169.	610.8
284.99	960.5	640.7	1029.	2190.	809.0	1364.	711.0
299.93	1114.	753.4	1146.	2304.	1064.	1522.	826.5
314.84	1214.	858.5	1228.	2328.	1194.	1678.	944.1
329.76	1276.	942.6	1284.	2337.	1289.	1752.	1046.
344.69	1317.	1006.	1313.	2298.	1355.	1788.	1122.
359.60	1328.	1046.	1318.	2247.	1389.	1799.	1173.
389.45	1309.	1077.	1292.	2124.	1405.	1765.	1230.
419.30	1268.	1059.	1236.	2015.	1371.	1699.	1232.

CALC	08/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RIIN 03 THE BOEING COMPANY	Vol. III
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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
449.15	1206.	1021.	1164.	1862.	1323.	1622.	1206.
478.98	1148.	978.0	1007.	1757.	1266.	1548.	1165.
508.82	1099.	942.6	1046.	1678.	1215.	1485.	1124.
538.67	1068.	907.1	999.1	1631.	1179.	1438.	1096.
569.51	1053.	886.7	965.1	1604.	1164.	1419.	1086.
569.76	1040.	873.9	944.8	1594.	1151.	1401.	1076.
629.20	1040.	866.2	939.7	1620.	1146.	1403.	1073.
659.04	1061.	871.3	972.7	1710.	1154.	1438.	1076.
688.88	1109.	902.1	1031.	1807.	1189.	1504.	1104.
718.73	1153.	935.0	1092.	1868.	1230.	1556.	1137.
748.58	1189.	970.4	1110.	1901.	1271.	1593.	1173.
778.42	1217.	995.7	1138.	1918.	1299.	1615.	1201.
808.26	1230.	1019.	1156.	1921.	1318.	1625.	1224.
810.26	1232.	1019.	1153.	1921.	1318.	1625.	1224.
816.23	1232.	1019.	1156.	1915.	1320.	1625.	1227.
822.20	1235.	1021.	1156.	1906.	1323.	1625.	1230.
828.16	1235.	1024.	1156.	1909.	1326.	1628.	1235.
834.13	1240.	1024.	1153.	1906.	1326.	1625.	1235.
836.12	1240.	1026.	1153.	1909.	1326.	1628.	1235.
838.10	1232.	1026.	1151.	1906.	1328.	1628.	1235.
840.10	1240.	1026.	1148.	1909.	1326.	1625.	1235.
842.09	1240.	1026.	1143.	1909.	1326.	1628.	1240.
844.07	1240.	1029.	1138.	1904.	1326.	1628.	1240.
846.07	1240.	1029.	1136.	1898.	1328.	1628.	1240.
848.06	1240.	1029.	1130.	1898.	1328.	1628.	1240.
850.04	1240.	1029.	1125.	1909.	1328.	1630.	1240.
852.03	1240.	1029.	1123.	1918.	1328.	1630.	1242.
854.03	1240.	1029.	1118.	1921.	1328.	1630.	1242.
856.01	1240.	1029.	1118.	1918.	1331.	1633.	1242.
858.00	1242.	1029.	1110.	1926.	1328.	1633.	1242.
860.00	1242.	1029.	1107.	1946.	1331.	1636.	1245.
861.98	1242.	1029.	1107.	1966.	1331.	1641.	1245.
863.97	1245.	1034.	1105.	1992.	1334.	1646.	1245.
865.97	1250.	1034.	1105.	2032.	1334.	1652.	1245.
867.95	1242.	1034.	1110.	2063.	1334.	1662.	1248.
869.94	1258.	1034.	1110.	2086.	1334.	1667.	1250.
871.94	1263.	1034.	1112.	2106.	1336.	1675.	1250.
873.92	1268.	1036.	1115.	2127.	1342.	1686.	1253.
875.90	1276.	1039.	1118.	2148.	1342.	1696.	1253.
877.90	1283.	1041.	1123.	2172.	1344.	1707.	1258.

CALC	08/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 COND. NO. 02 SPEC. 0376 RUN 03 THE BOEING COMPANY	Vol. III
CHECK	<i>Burns</i>	9/6/61				22-25585
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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
879.89	1201.	1044.	1125.	2196.	1347.	1716.	1258.
881.87	1301.	1046.	1130.	2223.	1352.	1730.	1265.
883.87	1307.	1046.	1136.	2238.	1355.	1743.	1265.
885.86	1317.	1054.	1141.	2268.	1363.	1754.	1268.
887.84	1328.	1056.	1148.	2280.	1365.	1765.	1271.
889.84	1336.	1059.	1153.	2295.	1373.	1782.	1276.
891.83	1346.	1067.	1161.	2304.	1378.	1788.	1281.
893.81	1357.	1069.	1166.	2328.	1384.	1801.	1236.
895.81	1365.	1074.	1174.	2328.	1392.	1813.	1291.
897.80	1375.	1079.	1177.	2340.	1400.	1826.	1294.
899.78	1383.	1082.	1184.	2343.	1405.	1837.	1301.
905.75	1407.	1094.	1200.	2367.	1423.	1860.	1317.
911.72	1431.	1110.	1215.	2388.	1447.	1884.	1330.
917.69	1449.	1123.	1230.	2388.	1465.	1901.	1349.
923.66	1465.	1138.	1246.	2406.	1486.	1921.	1362.
929.63	1476.	1153.	1256.	2397.	1502.	1935.	1381.
935.60	1489.	1163.	1266.	2416.	1518.	1950.	1391.
941.57	1497.	1176.	1277.	2413.	1534.	1961.	1404.
947.54	1505.	1186.	1294.	2400.	1544.	1970.	1415.
953.51	1513.	1197.	1292.	2406.	1555.	1975.	1425.
959.48	1515.	1207.	1295.	2406.	1566.	1978.	1436.
965.45	1520.	1215.	1297.	2397.	1571.	1984.	1444.
971.42	1523.	1222.	1302.	2394.	1579.	1987.	1452.
977.38	1523.	1222.	1302.	2382.	1581.	1984.	1460.
983.35	1520.	1225.	1300.	2358.	1581.	1978.	1465.
989.32	1518.	1230.	1297.	2349.	1584.	1978.	1470.
995.29	1515.	1233.	1297.	2343.	1584.	1978.	1470.
1001.25	1513.	1233.	1295.	2331.	1584.	1972.	1476.
1007.22	1510.	1233.	1292.	2319.	1581.	1967.	1478.
1013.19	1507.	1230.	1292.	2313.	1579.	1964.	1478.
1019.16	1505.	1233.	1292.	2310.	1579.	1961.	1481.
1049.00	1497.	1233.	1287.	2268.	1568.	1941.	1484.
1078.85	1491.	1235.	1279.	2247.	1563.	1927.	1481.
1108.70	1489.	1238.	1282.	2238.	1560.	1915.	1481.
1138.54	1513.	1248.	1297.	2247.	1563.	1921.	1486.
1168.38	1505.	1258.	1302.	2268.	1568.	1932.	1499.
1168.22	1526.	1273.	1318.	2307.	1584.	1955.	1513.
1228.07	1555.	1294.	1345.	2358.	1608.	1990.	1531.
1257.92	1589.	1325.	1379.	2409.	1634.	2027.	1557.
1257.76	1621.	1354.	1411.	2441.	1663.	2064.	1584.

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	-----DEGREES FAHRENHEIT-----						
1317.60	1647.	1383.	1437.	2472.	1695.	2087.	1608.
1347.44	1671.	1410.	1461.	2466.	1711.	2098.	1631.
1377.29	1681.	1428.	1471.	2453.	1725.	2104.	1645.
1407.14	1692.	1441.	1487.	2444.	1736.	2110.	1658.
1436.08	1705.	1460.	1501.	2463.	1750.	2113.	1671.
1440.95	1705.	1462.	1501.	2472.	1750.	2116.	1671.
1455.88	1717.	1473.	1532.	BDTL	1755.	2128.	1681.
1470.20	1730.	1491.	1590.	BDTL	1766.	2140.	1689.
1485.72	1744.	1512.	1630.	BDTL	1780.	2149.	1700.
1500.65	1755.	1533.	1656.	BDTL	1785.	2152.	1714.
1515.56	1766.	1552.	1675.	BDTL	1794.	2161.	1725.
1530.49	1775.	1565.	1688.	BDTL	1805.	2173.	1730.
1545.41	1783.	1576.	1701.	BDTL	1810.	2182.	1741.
1560.33	1791.	1586.	1707.	BDTL	1821.	2185.	1752.
1590.17	1802.	1602.	1718.	BDTL	1827.	2182.	1761.
1620.02	1808.	1615.	1726.	BDTL	1832.	2188.	1769.
1649.87	1808.	1618.	1729.	BDTL	1835.	2182.	1772.
1679.71	1802.	1618.	1726.	BDTL	1832.	2164.	1769.
1709.55	1797.	1615.	1718.	2495.	1827.	2158.	1766.
1739.39	1780.	1605.	1704.	2450.	1816.	2140.	1761.
1769.24	1730.	1591.	1683.	2394.	1802.	2116.	1750.
1799.09	1733.	1568.	1646.	2325.	1780.	2075.	1730.
1828.93	1697.	1539.	1604.	2229.	1750.	2027.	1705.
1858.77	1652.	1505.	1559.	2127.	1711.	1964.	1676.
1888.61	1608.	1468.	1514.	2035.	1668.	1901.	1645.
1918.46	1557.	1431.	1461.	1918.	1629.	1829.	1608.
1948.31	1499.	1381.	1395.	1787.	1576.	1752.	1565.
1978.15	1433.	1328.	1329.	1644.	1518.	1654.	1510.
2007.99	1365.	1273.	1256.	1493.	1452.	1548.	1449.
2037.83	1286.	1207.	1174.	1335.	1373.	1430.	1381.
2067.68	1199.	1140.	1100.	1173.	1289.	1295.	1301.
2097.53	1104.	1069.	1021.	1030.	1192.	1159.	1209.
2127.37	1002.	985.6	927.0	908.2	1085.	1026.	1109.
2157.21	918.7	909.6	832.2	795.4	978.2	894.1	999.9
2187.05	841.9	840.6	744.9	690.2	886.0	781.0	901.0
2216.00	782.9	789.3	701.2	620.9	807.4	688.5	818.8

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-20, T-21, T-22 & T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

THERMOCOUPLE NO.

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C-3M, C-5M, T-16, T-24

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	-----DEGREES FAHRENHEIT-----						
99.99-	324.1	380.6	368.6	457.1	390.1	296.5	386.7
85.07-	324.1	380.6	374.4	457.1	391.8	303.4	393.3
70.14-	331.1	380.6	380.2	462.9	391.8	303.4	393.3
55.23-	345.0	386.5	391.9	480.5	403.4	317.4	393.3
40.29-	363.3	415.6	415.1	503.8	438.2	357.7	450.8
25.38-	380.8	427.2	426.7	533.0	444.0	357.7	462.4
10.46-	384.6	438.9	438.4	538.8	461.5	331.3	427.5
4.47	392.5	450.5	450.0	556.4	467.3	375.2	463.3
19.38	398.3	462.2	455.8	573.9	478.0	381.1	497.4
34.32	398.3	438.9	455.8	573.9	484.7	363.6	474.1
49.23	398.3	444.7	455.8	573.9	484.7	357.7	474.1
64.15	404.1	456.4	461.6	573.9	496.3	369.4	491.6
79.08	427.4	497.1	496.5	618.8	513.8	381.1	509.1
93.99	430.1	508.8	508.1	629.4	531.2	386.9	514.9
108.93	398.3	450.5	467.4	573.9	484.7	375.2	503.2
123.84	415.8	485.5	490.7	602.8	513.8	404.4	532.4
138.76	430.1	508.8	502.3	634.7	531.2	392.7	520.7
150.70	439.1	520.4	513.9	645.3	537.0	386.9	514.9
156.67	590.7	692.0	664.5	804.6	685.4	544.5	697.7
162.63	708.2	833.3	791.5	955.0	821.8	602.6	772.0
168.60	803.6	939.0	887.4	1088.	912.1	735.5	939.6
174.57	870.1	1023.	992.8	1193.	1007.	762.0	939.6
180.54	950.7	1105.	1094.	1276.	1098.	849.7	1029.
186.51	1024.	1171.	1174.	1354.	1179.	955.6	1149.
192.48	1072.	1218.	1258.	1425.	1244.	980.8	1163.
198.45	1167.	1315.	1358.	1513.	1335.	1035.	1214.
204.42	1288.	1422.	1492.	1624.	1446.	1155.	1334.
210.39	1365.	1510.	1580.	1726.	1609.	1248.	1423.
225.31	1592.	1752.	1869.	1983.	1921.	1416.	1626.
240.24	1808.	1967.	2116.	2210.	2135.	1657.	1885.
255.15	2055.	2198.	2378.	2445.	2377.	1801.	2086.
270.08	2273.	2420.	2619.	2665.	2587.	1963.	2235.
285.00	2312.	2448.	2663.	2645.	2614.	1959.	2348.
299.92	2367.	2499.	2710.	2696.	2646.	1923.	2371.
314.85	2328.	2459.	2667.	2669.	2607.	1822.	2348.
329.76	2285.	2413.	2631.	2637.	2575.	1738.	2309.
344.69	2195.	2299.	2526.	2559.	2517.	1640.	2219.
359.61	2105.	2198.	2436.	2480.	2423.	1534.	2133.
389.46	1917.	2014.	2241.	2328.	2236.	1367.	1969.
419.30	1715.	1823.	2023.	2140.	2046.	1183.	1779.

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TIME SEC.	5-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
449.14	1528.	1642.	1844.	1960.	1872.	1059.	1613.
478.98	1445.	1557.	1741.	1871.	1791.	975.7	1516.
508.83	1343.	1453.	1614.	1777.	1711.	990.9	1423.
538.68	1302.	1422.	1555.	1722.	1656.	1011.	1361.
568.52	1252.	1409.	1517.	1688.	1622.	1011.	1325.
598.36	1265.	1427.	1538.	1701.	1622.	1025.	1334.
628.20	1361.	1506.	1623.	1777.	1715.	1140.	1410.
658.05	1575.	1684.	1853.	1987.	1900.	1358.	1626.
687.90	1639.	1773.	1941.	2061.	2007.	1389.	1698.
717.74	1681.	1819.	1994.	2104.	2034.	1384.	1711.
747.58	1608.	1831.	1902.	2104.	2018.	1344.	1698.
777.42	1707.	1927.	2007.	2112.	2069.	1353.	1698.
807.27	1707.	1827.	2003.	2112.	2049.	1353.	1698.
810.25	1702.	1827.	2003.	2112.	2061.	1353.	1698.
816.22	1608.	1827.	2007.	2112.	2065.	1362.	1698.
822.19	1702.	1827.	2003.	2104.	2049.	1376.	1698.
828.16	1673.	1811.	1900.	2104.	2042.	1349.	1654.
834.12	1617.	1761.	1929.	2065.	1999.	1215.	1507.
836.12	1600.	1740.	1909.	2038.	1979.	1173.	1463.
838.11	1600.	1752.	1913.	2038.	1979.	1155.	1432.
840.09	1626.	1769.	1929.	2053.	1983.	1150.	1414.
842.09	1626.	1769.	1917.	2050.	1979.	1230.	1441.
844.08	1617.	1765.	1913.	2046.	1971.	1289.	1463.
846.06	1613.	1757.	1909.	2038.	1971.	1308.	1468.
848.06	1622.	1765.	1913.	2046.	1979.	1312.	1463.
850.05	1634.	1782.	1926.	2053.	1991.	1312.	1468.
852.03	1656.	1799.	1941.	2077.	2010.	1312.	1463.
854.03	1656.	1807.	1953.	2073.	2010.	1308.	1459.
856.02	1656.	1807.	1961.	2081.	2018.	1312.	1463.
858.00	1707.	1864.	2007.	2112.	2057.	1389.	1524.
859.99	1787.	1952.	2081.	2187.	2112.	1530.	1643.
861.99	1848.	2010.	2144.	2245.	2174.	1598.	1719.
863.97	1933.	2085.	2229.	2320.	2244.	1666.	1796.
865.96	2023.	2167.	2319.	2402.	2330.	1721.	1869.
867.96	2066.	2217.	2370.	2461.	2365.	1721.	1897.
869.94	2090.	2229.	2397.	2480.	2380.	1734.	1909.
871.93	2101.	2229.	2409.	2488.	2380.	1738.	1918.
873.93	2109.	2241.	2432.	2508.	2408.	1759.	1933.
875.91	2141.	2268.	2459.	2535.	2435.	1789.	1949.
877.90	2164.	2299.	2491.	2555.	2462.	1814.	1976.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-44	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
879.90	2187.	2331.	2514.	2574.	2486.	1818.	1988.
881.88	2203.	2335.	2537.	2590.	2517.	1818.	1998.
883.86	2223.	2366.	2565.	2614.	2548.	1834.	2008.
885.86	2242.	2385.	2580.	2637.	2575.	1850.	2023.
887.85	2250.	2389.	2592.	2645.	2591.	1830.	2008.
889.83	2258.	2401.	2604.	2653.	2595.	1818.	2008.
891.83	2269.	2405.	2616.	2665.	2603.	1830.	2012.
893.82	2281.	2401.	2627.	2673.	2618.	1850.	2023.
895.80	2297.	2424.	2635.	2677.	2638.	1854.	2031.
897.80	2297.	2428.	2643.	2657.	2642.	1830.	2019.
899.79	2305.	2436.	2659.	2641.	2646.	1810.	2012.
905.76	2328.	2452.	2670.	2645.	2658.	1842.	2023.
911.73	2336.	2452.	2670.	2653.	2669.	1842.	2023.
917.70	2301.	2432.	2651.	2649.	2646.	1838.	2023.
923.67	2277.	2409.	2627.	2641.	2626.	1826.	2027.
929.64	2258.	2381.	2588.	2621.	2611.	1834.	2027.
935.60	2227.	2358.	2569.	2614.	2579.	1810.	2000.
941.57	2230.	2366.	2572.	2621.	2575.	1826.	2012.
947.54	2219.	2346.	2553.	2610.	2548.	1830.	2023.
953.51	2207.	2338.	2545.	2606.	2532.	1785.	1992.
959.47	2105.	2323.	2533.	2580.	2528.	1789.	1988.
965.44	2187.	2311.	2526.	2574.	2517.	1772.	1951.
971.41	2160.	2272.	2487.	2547.	2490.	1708.	1937.
977.38	2141.	2268.	2475.	2535.	2486.	1666.	1893.
983.34	2086.	2202.	2413.	2496.	2439.	1674.	1897.
989.31	2070.	2202.	2397.	2488.	2412.	1674.	1877.
995.28	2074.	2194.	2397.	2472.	2396.	1683.	1869.
1001.25	2062.	2182.	2378.	2469.	2408.	1640.	1832.
1007.22	2062.	2186.	2381.	2480.	2392.	1662.	1848.
1013.19	2062.	2178.	2378.	2472.	2392.	1636.	1836.
1019.16	2039.	2163.	2362.	2469.	2377.	1619.	1812.
1049.01	2012.	2116.	2319.	2425.	2345.	1615.	1796.
1078.86	2008.	2155.	2323.	2425.	2365.	1628.	1796.
1108.69	1957.	2073.	2265.	2378.	2303.	1615.	1792.
1138.53	2000.	2120.	2315.	2418.	2361.	1649.	1816.
1168.38	2019.	2147.	2346.	2449.	2369.	1662.	1832.
1198.23	2101.	2229.	2432.	2523.	2447.	1764.	1933.
1228.08	2168.	2280.	2502.	2578.	2528.	1810.	1976.
1257.91	2211.	2335.	2541.	2625.	2548.	1911.	2086.
1287.75	2258.	2377.	2592.	2665.	2607.	1935.	2102.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
99.99-	358.0	357.7	387.2	289.3
95.07-	352.2	369.4	398.9	303.2
70.14-	363.9	375.2	416.4	324.1
55.23-	375.6	392.7	422.2	338.0
40.29-	393.1	416.0	445.6	357.5
25.38-	416.5	439.4	469.0	363.3
10.46-	416.5	439.4	480.7	380.8
4.47	430.9	445.2	486.5	386.6
19.38	451.6	456.9	498.2	404.1
34.32	445.8	456.9	515.7	415.8
49.23	445.8	456.9	515.7	421.6
64.15	469.2	468.6	521.6	439.1
79.08	480.8	474.4	533.3	439.1
93.99	486.7	497.7	550.8	456.6
108.93	475.0	474.4	550.8	468.2
123.84	498.4	474.4	545.0	468.2
138.76	498.4	487.2	550.8	479.9
150.70	515.9	486.1	545.0	497.4
156.67	614.0	561.9	568.3	497.4
162.63	704.5	634.4	613.7	509.0
168.60	825.5	708.8	672.3	532.3
174.57	911.4	829.4	752.1	567.3
180.54	1026.	960.5	855.5	618.0
186.51	1099.	1073.	971.6	681.7
192.48	1203.	1168.	1079.	756.0
198.45	1300.	1276.	1188.	838.8
204.42	1404.	1406.	1295.	924.4
210.39	1536.	1504.	1372.	1019.
225.31	1787.	1772.	1650.	1320.
240.24	2032.	2045.	1933.	1592.
255.15	2271.	2287.	2172.	1865.
270.08	2526.	2510.	2403.	2125.
285.00	2577.	2557.	2501.	2277.
299.92	2616.	2600.	2552.	2324.
314.85	2609.	2585.	2548.	2344.
329.76	2573.	2541.	2529.	2324.
344.69	2487.	2440.	2470.	2277.
359.61	2381.	2342.	2392.	2215.
389.46	2193.	2166.	2247.	2101.
419.30	1977.	1958.	2090.	1957.

CALC	08/25/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 FWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 04 THE BOEING COMPANY	Vol. III
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2 3000

TIME SEC.	3-2	7-2	7-6	3-3	7-3	3-4	7-4
	T-10	T-11	C-4M	T-12	T-13	T-14	T-15
	-----DEGREES FAHRENHEIT-----						
1317.60	2260.	2381.	2604.	2673.	2614.	1915.	2036.
1347.45	2261.	2389.	2604.	2673.	2591.	1915.	2102.
13-7.30	2261.	2401.	2612.	2677.	2599.	1911.	2090.
14-7.13	2277.	2395.	2600.	2665.	2591.	1923.	2036.
14-6.07	2260.	2381.	2592.	2665.	2591.	1879.	2062.
1440.96	2266.	2377.	2592.	2669.	2603.	1887.	2066.
1455.87	2308.	2405.	2714.	2755.	2720.	2192.	2363.
1470.91	2375.	2475.	2702.	2700.	2693.	2076.	2367.
1455.72	2370.	2475.	2604.	2700.	2681.	2033.	2363.
1500.65	2387.	2479.	2608.	2700.	2701.	2025.	2367.
1515.57	2370.	2471.	2608.	2700.	2693.	2017.	2356.
1530.48	2370.	2475.	2608.	2704.	2697.	1990.	2356.
1545.42	2301.	2483.	2706.	2708.	2720.	2014.	2352.
1560.33	2375.	2483.	2608.	2712.	2685.	1982.	2356.
1500.18	2363.	2487.	2608.	2736.	2701.	2006.	2356.
1620.03	2367.	2459.	2696.	2752.	2689.	1986.	2336.
1649.97	2348.	2389.	2655.	2724.	2677.	1943.	2301.
16-9.70	2312.	2401.	2627.	2712.	2654.	1935.	2297.
1709.55	2262.	2342.	2576.	2665.	2575.	1911.	2246.
17-9.40	2211.	2319.	2530.	2621.	2540.	1858.	2203.
1769.25	2113.	2217.	2420.	2535.	2462.	1793.	2113.
1709.00	1989.	2085.	2202.	2422.	2345.	1662.	1988.
1828.92	1877.	1983.	2148.	2316.	2236.	1547.	1861.
1858.77	1741.	1827.	1906.	2175.	2081.	1442.	1728.
1808.62	1605.	1706.	1840.	2046.	1960.	1353.	1605.
1918.47	1445.	1523.	1661.	1879.	1811.	1248.	1445.
1948.71	1242.	1338.	1447.	1668.	1639.	1054.	1252.
19-8.14	1024.	1125.	1212.	1470.	1437.	844.6	1043.
2007.90	817.6	918.9	072.7	1216.	1211.	591.2	772.0
2037.84	567.3	623.0	695.7	090.4	027.2	386.9	549.9
2067.69	338.1	351.5	301.9	544.7	622.0	261.6	392.5
2007.53	226.6	219.6	254.2	352.0	444.0	205.8	317.2
2127.36	177.9	177.8	109.6	254.7	337.4	177.9	254.5
2157.21	150.0	156.9	163.9	205.9	261.1	150.0	212.7
2197.06	133.3	133.4	141.7	177.9	226.4	141.7	191.8
2216.01	141.7	133.4	141.7	177.0	219.4	133.3	184.8
2246.75	141.7	141.7	141.7	177.9	205.5	133.3	177.9

CALC	08/25/11	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 FWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 04 THE BOEING COMPANY	Vol. III
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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
449.14	1787.	1768.	1929.	1928.
478.98	1685.	1657.	1811.	1728.
508.83	1583.	1555.	1731.	1668.
538.68	1506.	1495.	1629.	1660.
568.52	1480.	1464.	1582.	1639.
598.36	1480.	1455.	1574.	1596.
628.20	1553.	1568.	1621.	1639.
658.05	1775.	1746.	1787.	1732.
687.90	1804.	1858.	1921.	1948.
717.74	1922.	1915.	1972.	1889.
747.58	1961.	1907.	1968.	1917.
777.42	1934.	1919.	1972.	1929.
807.27	1950.	1907.	1961.	1933.
810.25	1942.	1911.	1972.	1933.
816.22	1926.	1931.	1968.	1933.
822.19	1914.	1923.	1948.	1929.
828.16	1977.	1903.	1964.	1929.
834.12	1980.	1785.	1937.	1933.
836.12	1981.	1759.	1921.	1921.
838.11	2012.	1742.	1905.	1929.
840.09	2052.	1746.	1803.	1926.
842.09	2020.	1772.	1890.	1929.
844.08	2012.	1776.	1876.	1929.
846.06	2005.	1768.	1876.	1909.
848.06	2008.	1772.	1876.	1913.
850.05	2012.	1785.	1890.	1917.
852.03	2032.	1793.	1895.	1917.
854.03	2028.	1785.	1890.	1926.
856.02	2028.	1797.	1880.	1929.
858.00	2056.	1915.	1893.	1941.
859.99	2169.	1978.	1913.	1953.
861.99	2208.	1994.	1941.	1965.
863.97	2283.	2048.	1976.	1984.
865.96	2357.	2064.	2015.	2008.
867.96	2424.	2060.	2043.	2039.
869.94	2444.	2095.	2074.	2070.
871.93	2467.	2099.	2106.	2090.
873.93	2491.	2127.	2129.	2125.
875.91	2522.	2158.	2160.	2148.
877.90	2538.	2170.	2184.	2180.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
879.90	2561.	2193.	2207.	2195.
881.88	2589.	2217.	2231.	2211.
883.86	2616.	2236.	2247.	2242.
885.86	2648.	2248.	2270.	2266.
887.85	2660.	2244.	2290.	2285.
889.83	2672.	2252.	2301.	2301.
891.83	2680.	2268.	2309.	2312.
893.82	2676.	2271.	2325.	2328.
895.80	2672.	2271.	2333.	2348.
897.80	2680.	2279.	2341.	2355.
899.79	2687.	2268.	2345.	2355.
905.76	2695.	2283.	2360.	2379.
911.73	2683.	2283.	2360.	2391.
917.70	2695.	2271.	2356.	2398.
923.67	2691.	2244.	2364.	2398.
929.64	2695.	2268.	2356.	2391.
935.60	2695.	2260.	2352.	2398.
941.57	2707.	2260.	2345.	2391.
947.54	2695.	2260.	2352.	2406.
953.51	2699.	2248.	2345.	2402.
959.47	2668.	2244.	2341.	2398.
965.44	2632.	2217.	2321.	2367.
971.41	2609.	2170.	2305.	2336.
977.38	2593.	2166.	2286.	2344.
983.34	2557.	2119.	2270.	2340.
989.31	2561.	2115.	2247.	2332.
995.28	2538.	2107.	2239.	2308.
1001.25	2506.	2095.	2227.	2305.
1007.22	2499.	2103.	2219.	2297.
1013.19	2495.	2072.	2215.	2281.
1019.16	2475.	2064.	2204.	2277.
1049.01	2385.	2025.	2176.	2242.
1078.86	2404.	2025.	2168.	2242.
1108.69	2389.	2021.	2149.	2223.
1138.53	2408.	2052.	2168.	2246.
1168.38	2432.	2064.	2176.	2258.
1198.23	2502.	2135.	2235.	2308.
1228.08	2593.	2197.	2298.	2359.
1257.91	2640.	2275.	2352.	2406.
1287.75	2683.	2326.	2395.	2441.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
1317.60	2695.	2326.	2305.	2453.
1347.45	2683.	2338.	2309.	2461.
1377.30	2707.	2322.	2403.	2469.
1407.13	2697.	2338.	2309.	2465.
1436.97	2707.	2311.	2398.	2457.
1440.96	2723.	2311.	2398.	2469.
1455.87	2632.	2585.	2521.	2496.
1470.81	2601.	2596.	2576.	2516.
1485.72	2612.	2596.	2580.	2516.
1500.65	2605.	2592.	2580.	2512.
1515.57	2616.	2585.	2576.	2512.
1530.48	2601.	2581.	2590.	2516.
1545.42	2597.	2588.	2590.	2520.
1560.33	2624.	2585.	2592.	2531.
1500.18	2616.	2588.	2598.	2523.
1620.03	2507.	2581.	2590.	2516.
1649.87	2577.	2530.	2552.	2504.
1679.70	2553.	2522.	2540.	2453.
1709.55	2518.	2479.	2501.	2461.
1739.40	2467.	2420.	2458.	2426.
1769.25	2381.	2326.	2392.	2379.
1799.09	2263.	2193.	2301.	2308.
1828.92	2110.	2064.	2184.	2211.
1858.77	1977.	1907.	2074.	2125.
1888.62	1812.	1776.	1961.	2039.
1918.47	1621.	1598.	1819.	1929.
1948.31	1404.	1384.	1638.	1800.
1978.14	1194.	1150.	1426.	1660.
2007.99	977.1	915.1	1160.	1490.
2037.84	688.5	634.4	916.1	1316.
2067.69	416.5	386.9	704.2	1106.
2097.53	289.7	268.5	562.5	899.1
2127.36	233.8	212.8	463.1	692.3
2157.21	191.9	177.9	393.0	584.8
2187.06	171.0	150.0	338.5	485.7
2216.91	164.0	150.0	303.6	415.8
2246.75	164.0	150.0	275.7	357.5

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
99.99-	376.1	369.8	308.4	285.9	335.0	223.2	302.8
85.07-	376.1	367.1	313.8	299.4	337.7	233.6	305.6
70.14-	376.1	367.1	310.3	310.3	343.1	241.5	308.3
55.23-	378.8	369.8	322.0	323.8	345.9	254.5	311.0
40.29-	378.8	372.5	330.2	334.7	351.3	265.0	313.7
25.38-	381.5	372.5	341.1	345.6	354.0	272.8	319.2
10.46-	381.5	372.5	346.6	359.1	359.4	283.4	321.9
4.47	384.1	375.1	354.7	372.7	364.9	291.5	324.6
19.38	384.1	375.1	362.9	380.7	367.6	302.4	327.4
34.32	386.8	377.8	368.4	391.4	373.0	313.3	332.8
49.23	389.5	380.5	376.5	402.1	375.7	326.9	338.3
64.15	389.5	380.5	379.2	407.5	378.3	335.0	341.0
79.08	394.9	385.8	387.2	420.9	389.1	345.9	349.2
93.99	400.3	388.5	395.3	428.9	394.4	351.3	351.9
108.93	403.0	393.9	403.4	439.6	402.5	362.2	362.8
123.84	405.6	399.2	408.8	447.4	405.2	373.0	365.5
138.76	411.0	401.9	419.5	458.4	415.9	378.4	373.6
150.70	416.4	404.6	427.6	469.1	421.3	389.1	379.0
156.67	419.1	407.2	427.6	479.6	426.6	394.5	381.7
162.63	419.1	407.2	433.0	495.4	429.3	399.9	384.4
168.60	424.5	409.9	435.7	524.4	432.0	405.2	389.8
174.57	427.1	415.3	443.8	563.8	437.4	416.0	395.2
180.54	429.8	415.3	449.2	604.8	442.7	426.7	397.9
186.51	435.2	417.9	457.2	656.1	445.4	448.2	400.5
192.48	440.6	420.6	470.7	712.4	453.5	472.3	405.9
198.45	446.0	426.0	481.3	779.1	461.5	498.7	414.0
204.42	454.0	428.7	494.5	853.4	469.5	533.0	419.4
210.39	467.5	434.0	507.7	934.0	480.1	577.3	427.4
225.31	507.1	452.7	563.2	1189.	514.4	713.4	454.3
240.24	572.8	484.6	645.6	1468.	569.5	877.7	494.3
255.15	678.3	534.6	761.5	1738.	651.6	1063.	544.5
270.08	819.7	609.5	913.3	2026.	764.6	1268.	619.6
285.00	995.9	701.7	1061.	2187.	910.7	1454.	720.0
299.92	1139.	801.6	1176.	2294.	1063.	1597.	843.5
314.85	1239.	898.9	1253.	2327.	1191.	1697.	956.1
329.76	1303.	977.3	1305.	2330.	1290.	1763.	1055.
344.69	1337.	1033.	1334.	2300.	1353.	1796.	1132.
359.61	1348.	1068.	1334.	2238.	1393.	1802.	1183.
389.46	1327.	1094.	1305.	2127.	1406.	1769.	1237.
419.30	1277.	1081.	1253.	1992.	1380.	1700.	1242.

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CHECK	<i>Boeing</i>	<i>4/16/63</i>				DZ-86085
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TIME SEC.	8-4	4-5	8-5	4-6	8-6	4-7	8-7
	T-17	T-18	T-19	T-20	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----						
449.14	1226.	1046.	1184.	1854.	1327.	1623.	1214.
478.98	1159.	1000.	1114.	1749.	1267.	1539.	1168.
508.83	1113.	962.1	1061.	1684.	1221.	1478.	1129.
538.68	1085.	934.3	1015.	1644.	1188.	1438.	1101.
568.52	1067.	909.0	979.5	1615.	1170.	1417.	1088.
598.36	1054.	891.2	959.1	1597.	1155.	1399.	1076.
628.20	1049.	883.5	951.5	1615.	1147.	1396.	1068.
658.05	1070.	891.2	976.9	1705.	1155.	1428.	1076.
687.90	1113.	916.6	1033.	1807.	1183.	1486.	1096.
717.74	1156.	952.0	1084.	1854.	1226.	1539.	1127.
747.58	1192.	984.9	1120.	1890.	1262.	1570.	1160.
777.42	1216.	1010.	1143.	1904.	1290.	1594.	1191.
807.27	1231.	1033.	1156.	1906.	1311.	1612.	1217.
810.25	1233.	1033.	1156.	1909.	1309.	1612.	1217.
816.22	1236.	1035.	1158.	1909.	1314.	1618.	1219.
822.19	1241.	1038.	1161.	1909.	1314.	1618.	1224.
828.16	1241.	1043.	1163.	1915.	1319.	1618.	1227.
834.12	1241.	1043.	1163.	1906.	1322.	1620.	1229.
836.12	1244.	1043.	1161.	1898.	1322.	1620.	1229.
838.11	1244.	1043.	1158.	1901.	1322.	1620.	1232.
840.09	1246.	1046.	1156.	1904.	1327.	1623.	1232.
842.09	1249.	1046.	1150.	1909.	1327.	1623.	1235.
844.08	1246.	1046.	1148.	1904.	1327.	1623.	1235.
846.06	1251.	1046.	1143.	1898.	1327.	1626.	1235.
848.06	1249.	1046.	1140.	1898.	1327.	1626.	1237.
850.05	1251.	1046.	1135.	1904.	1330.	1626.	1237.
852.03	1251.	1048.	1132.	1906.	1327.	1626.	1237.
854.03	1251.	1048.	1130.	1915.	1327.	1628.	1237.
856.02	1251.	1048.	1125.	1918.	1330.	1628.	1240.
858.00	1251.	1046.	1122.	1923.	1330.	1628.	1242.
859.99	1254.	1048.	1120.	1946.	1330.	1636.	1242.
861.99	1254.	1048.	1117.	1966.	1332.	1639.	1242.
863.97	1254.	1048.	1117.	1989.	1330.	1644.	1245.
865.96	1257.	1051.	1117.	2017.	1332.	1652.	1245.
867.96	1262.	1051.	1114.	2057.	1332.	1660.	1247.
869.94	1267.	1053.	1117.	2077.	1335.	1670.	1247.
871.93	1272.	1056.	1117.	2091.	1338.	1676.	1250.
873.93	1280.	1056.	1122.	2115.	1338.	1684.	1253.
875.91	1285.	1058.	1125.	2133.	1343.	1697.	1253.
877.90	1293.	1061.	1127.	2160.	1343.	1705.	1255.

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TIME SEC.	8-4	4-5	8-5	4-6	8-6	4-7	8-7
	T-17	T-18	T-19	T-20	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----						
879.90	1303.	1063.	1130.	2175.	1348.	1716.	1258.
881.88	1308.	1068.	1135.	2190.	1353.	1727.	1260.
883.86	1319.	1071.	1140.	2217.	1356.	1741.	1263.
885.86	1327.	1073.	1143.	2241.	1359.	1752.	1268.
887.85	1335.	1076.	1150.	2255.	1364.	1763.	1271.
889.83	1345.	1081.	1156.	2264.	1369.	1777.	1273.
891.83	1350.	1083.	1161.	2282.	1375.	1785.	1278.
893.82	1361.	1089.	1168.	2294.	1383.	1796.	1281.
895.80	1372.	1094.	1176.	2312.	1388.	1807.	1286.
897.90	1377.	1096.	1181.	2315.	1396.	1824.	1294.
899.79	1387.	1101.	1186.	2327.	1401.	1829.	1299.
905.76	1411.	1114.	1202.	2354.	1419.	1857.	1312.
911.73	1435.	1129.	1220.	2372.	1438.	1879.	1331.
917.70	1451.	1145.	1233.	2381.	1459.	1898.	1346.
923.67	1464.	1152.	1243.	2381.	1475.	1918.	1362.
929.64	1475.	1165.	1253.	2378.	1491.	1930.	1376.
935.60	1488.	1173.	1261.	2378.	1512.	1944.	1386.
941.57	1496.	1186.	1269.	2393.	1520.	1952.	1402.
947.54	1504.	1196.	1279.	2402.	1536.	1964.	1413.
953.51	1509.	1201.	1284.	2399.	1543.	1967.	1423.
959.47	1514.	1209.	1289.	2390.	1554.	1975.	1434.
965.44	1517.	1214.	1294.	2369.	1559.	1975.	1442.
971.41	1520.	1221.	1297.	2357.	1567.	1975.	1450.
977.38	1522.	1226.	1300.	2354.	1572.	1975.	1458.
983.34	1520.	1229.	1300.	2342.	1575.	1975.	1463.
989.31	1517.	1232.	1300.	2330.	1578.	1970.	1463.
995.28	1517.	1237.	1297.	2312.	1575.	1964.	1466.
1001.25	1514.	1234.	1297.	2306.	1575.	1958.	1471.
1007.22	1514.	1237.	1297.	2300.	1572.	1952.	1473.
1013.19	1509.	1237.	1294.	2282.	1572.	1950.	1473.
1019.16	1506.	1237.	1294.	2279.	1570.	1947.	1473.
1029.01	1496.	1239.	1297.	2249.	1565.	1924.	1476.
1078.86	1493.	1242.	1294.	2235.	1554.	1910.	1473.
1108.69	1496.	1247.	1289.	2217.	1557.	1907.	1479.
1138.53	1501.	1255.	1294.	2238.	1557.	1910.	1481.
1168.38	1514.	1265.	1305.	2252.	1567.	1921.	1495.
1188.23	1533.	1280.	1323.	2303.	1580.	1944.	1505.
1228.08	1567.	1303.	1350.	2351.	1604.	1975.	1526.
1257.91	1596.	1332.	1394.	2393.	1630.	2015.	1553.
1287.75	1625.	1361.	1419.	2434.	1659.	2049.	1579.

CALC	8/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 COND. NO. 02 SPEC. 0376 RUN 04 THE BOEING COMPANY	Vol. III
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TIME SEC.	8-4	4-5	8-5	4-6	8-6	4-7	8-7
	T-17	T-18	T-19	T-20	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----						
1317.60	1652.	1390.	1440.	2446.	1683.	2072.	1603.
1347.45	1673.	1411.	1458.	2456.	1702.	2084.	1624.
1377.30	1683.	1430.	1474.	2459.	1716.	2095.	1640.
1407.13	1699.	1448.	1490.	2459.	1729.	2107.	1656.
1436.97	1710.	1464.	1501.	2449.	1740.	2110.	1667.
1440.96	1710.	1464.	1503.	2465.	1743.	2110.	1672.
1455.87	1721.	1477.	1527.	2493.	1752.	2122.	1677.
1470.81	1738.	1498.	1591.	BDTL	1763.	2137.	1690.
1485.72	1752.	1522.	1631.	BDTL	1776.	2143.	1701.
1500.65	1766.	1543.	1660.	BDTL	1787.	2149.	1712.
1515.57	1774.	1556.	1676.	BDTL	1796.	2152.	1720.
1530.48	1792.	1569.	1691.	BDTL	1807.	2158.	1732.
1545.42	1791.	1580.	1702.	BDTL	1810.	2161.	1740.
1560.33	1796.	1590.	1713.	BDTL	1815.	2167.	1748.
1590.18	1810.	1609.	1724.	BDTL	1829.	2179.	1762.
1620.03	1816.	1616.	1733.	BDTL	1837.	2179.	1773.
1649.97	1813.	1622.	1733.	2500.	1834.	2167.	1773.
1679.70	1804.	1616.	1730.	2478.	1829.	2155.	1765.
1709.55	1799.	1616.	1721.	2462.	1823.	2149.	1762.
1739.40	1785.	1606.	1705.	2424.	1810.	2122.	1756.
1769.25	1766.	1593.	1693.	2381.	1798.	2092.	1740.
1799.09	1738.	1572.	1652.	2312.	1779.	2061.	1729.
1828.92	1702.	1543.	1612.	2202.	1746.	2009.	1704.
1858.77	1660.	1514.	1570.	2103.	1713.	1947.	1669.
1888.62	1620.	1477.	1519.	2088.	1673.	1885.	1635.
1918.47	1570.	1440.	1466.	1983.	1633.	1813.	1598.
1948.31	1514.	1393.	1403.	1906.	1586.	1735.	1558.
1978.14	1451.	1343.	1337.	1812.	1530.	1647.	1505.
2007.99	1382.	1288.	1264.	1735.	1464.	1544.	1447.
2037.84	1311.	1226.	1186.	1686.	1396.	1430.	1384.
2067.69	1226.	1160.	1104.	1793.	1311.	1296.	1307.
2097.53	1131.	1086.	1025.	1832.	1219.	1155.	1214.
2127.36	1039.	1010.	931.1	1710.	1116.	1022.	1116.
2157.21	950.2	934.3	828.5	1655.	1010.	895.6	1012.
2187.06	876.2	868.1	751.2	1610.	915.8	780.1	915.4
2216.91	817.1	814.4	707.5	1578.	833.9	690.3	835.8
2246.75	773.4	778.5	674.0	1539.	769.7	618.4	768.9

CALC	8/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 04 THE BOEING COMPANY	Vol. III
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2-3000

TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-20, T-21, T-22, & T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

THERMOCOUPLE NO.

PAGE

T-10, T-11, C-4M, T-12, T-13, T-14, T-15

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C-3M, C-5M, T-16, T-24

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T-17, T-18, T-19, *T-20, T-21, T-22, T-23

3-60 - 3-61

*T-20 Bad thermocouple

CALC	Reynolds	9/6/61	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 05	Vol. III
CHECK	Stapp	9/1/61				
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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						

.02	99.98	100.1	81.51	99.91	90.96	141.6	177.9
5.98	226.7	261.3	233.5	247.7	226.4	177.9	184.9
11.95	363.4	450.4	363.2	462.9	386.0	369.6	416.1
17.92	459.3	537.7	427.3	602.8	449.9	404.7	503.6
23.89	474.2	590.1	485.6	677.2	513.8	428.1	555.2
29.85	579.2	702.3	596.3	799.5	627.3	580.0	724.8
35.82	659.5	776.5	670.9	895.4	701.4	624.4	814.4
41.79	676.7	817.9	739.8	961.0	749.0	651.0	854.7
47.76	751.0	888.3	833.5	1040.	826.9	682.9	885.0
53.72	824.0	963.7	914.0	1122.	912.2	757.4	975.7
59.69	889.6	1038.	984.5	1197.	982.5	840.4	1044.
65.66	965.1	1090.	1053.	1272.	1036.	911.0	1126.
71.63	1029.	1148.	1125.	1340.	1103.	991.8	1187.
77.60	1097.	1213.	1195.	1403.	1174.	1055.	1253.
83.57	1168.	1282.	1269.	1474.	1239.	1108.	1308.
89.54	1205.	1319.	1333.	1530.	1285.	1156.	1367.
95.51	1266.	1364.	1396.	1586.	1335.	1221.	1424.
101.48	1339.	1430.	1471.	1649.	1398.	1300.	1491.
107.45	1384.	1493.	1540.	1709.	1455.	1318.	1530.
113.42	1441.	1539.	1596.	1769.	1504.	1390.	1598.
119.39	1499.	1595.	1655.	1827.	1554.	1448.	1645.
134.30	1614.	1701.	1799.	1948.	1669.	1582.	1768.
149.24	1729.	1822.	1952.	2089.	1820.	1719.	1919.
164.15	1865.	1959.	2101.	2222.	1945.	1880.	2057.
179.07	1969.	2064.	2230.	2331.	2057.	2012.	2166.
194.00	2102.	2181.	2374.	2461.	2206.	2176.	2346.
208.91	2173.	2267.	2464.	2547.	2303.	2223.	2421.
223.85	2243.	2333.	2534.	2606.	2338.	2329.	2503.
238.76	2317.	2412.	2620.	2688.	2408.	2431.	2589.
253.68	2388.	2482.	2687.	2752.	2470.	2482.	2656.
268.61	2466.	2552.	2770.	2822.	2556.	2548.	2731.
270.59	2470.	2552.	2782.	2830.	2556.	2564.	2738.
276.56	2497.	2579.	2797.	2850.	2580.	2588.	2770.
282.53	2544.	2634.	2844.	2889.	2615.	2599.	2798.
288.50	2564.	2658.	2868.	2901.	2634.	2655.	2845.
294.47	2599.	2678.	2888.	2929.	2666.	2694.	2868.
300.44	2587.	2646.	2894.	2929.	2666.	2659.	2849.
306.41	2552.	2634.	2860.	2901.	2646.	2631.	2829.
312.38	2540.	2611.	2837.	2885.	2650.	2568.	2794.
318.35	2493.	2560.	2789.	2850.	2607.	2537.	2770.

CALC	08/25/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 05 THE BOEING COMPANY	Vol. III
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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
324.32	2466.	2536.	2766.	2822.	2576.	2525.	2738.
330.29	2462.	2505.	2742.	2811.	2529.	2490.	2703.
336.26	2431.	2490.	2711.	2783.	2502.	2474.	2675.
342.23	2400.	2462.	2693.	2759.	2486.	2446.	2652.
348.20	2376.	2419.	2652.	2736.	2447.	2411.	2612.
354.16	2345.	2384.	2620.	2708.	2424.	2395.	2597.
360.13	2317.	2372.	2589.	2681.	2396.	2356.	2557.
375.05	2243.	2263.	2519.	2618.	2322.	2278.	2487.
389.97	2161.	2201.	2437.	2551.	2256.	2207.	2405.
404.90	2036.	2099.	2319.	2445.	2147.	2078.	2276.
419.81	1922.	1951.	2194.	2331.	2034.	1972.	2158.
434.74	1796.	1830.	2058.	2202.	1917.	1840.	2021.
449.66	1665.	1713.	1921.	2077.	1783.	1676.	1862.
464.58	1529.	1573.	1757.	1924.	1635.	1540.	1713.
479.51	1406.	1439.	1596.	1777.	1495.	1381.	1551.
494.42	1266.	1310.	1445.	1624.	1358.	1231.	1402.
509.35	1126.	1166.	1298.	1470.	1216.	1079.	1253.
524.27	955.0	993.9	1115.	1285.	1055.	855.5	1035.
539.19	772.2	797.7	899.9	1064.	857.0	682.9	839.6
554.12	612.9	622.8	713.3	845.0	685.5	521.6	666.4
569.03	445.1	438.8	520.5	602.8	502.2	369.6	486.1
583.96	317.3	289.1	363.2	416.2	368.6	261.7	363.6
598.88	233.6	219.5	261.4	310.5	295.8	205.9	289.5
601.86	226.7	219.5	247.5	289.6	275.0	198.9	275.5

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2-5000

TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			

.02	99.91	108.3	116.6	157.0
5.98	219.8	212.8	116.6	157.0
11.95	275.6	345.5	164.0	163.9
17.92	375.3	416.1	212.8	177.9
23.89	462.9	497.8	275.6	191.8
29.85	538.8	613.2	357.8	219.6
35.82	613.4	698.3	445.4	247.5
41.79	656.0	772.7	533.0	303.2
47.76	762.3	834.6	619.7	351.7
53.72	834.9	930.4	703.8	404.1
59.69	900.4	995.9	804.6	479.9
65.66	966.0	1073.	895.4	555.7
71.63	1045.	1155.	1011.	633.9
77.60	1122.	1215.	1122.	724.2
83.57	1169.	1294.	1216.	818.7
89.54	1216.	1353.	1308.	909.3
95.51	1295.	1438.	1394.	1005.
101.48	1354.	1513.	1487.	1092.
107.45	1403.	1568.	1556.	1182.
113.42	1461.	1628.	1628.	1270.
119.39	1518.	1687.	1700.	1356.
134.30	1649.	1846.	1863.	1562.
149.24	1790.	1986.	2006.	1719.
164.15	1924.	2139.	2143.	1865.
179.07	2046.	2284.	2269.	2004.
194.00	2167.	2421.	2410.	2137.
208.91	2261.	2518.	2511.	2234.
223.85	2328.	2612.	2582.	2328.
238.76	2402.	2675.	2653.	2414.
253.68	2472.	2742.	2716.	2484.
268.61	2574.	2809.	2763.	2555.
270.59	2570.	2821.	2775.	2570.
276.56	2586.	2833.	2795.	2594.
282.53	2614.	2861.	2818.	2614.
288.50	2641.	2888.	2838.	2637.
294.47	2677.	2916.	2866.	2661.
300.44	2681.	2928.	2874.	2677.
306.41	2641.	2912.	2862.	2673.
312.38	2621.	2896.	2842.	2665.
318.35	2590.	2872.	2818.	2649.

CALC	08/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 05 THE BOEING COMPANY	Vol. III
CHECK	<i>Ruperto Alcala</i>					
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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
324.32	2566.	2853.	2803.	2633.
330.29	2539.	2837.	2797.	2618.
336.26	2512.	2802.	2755.	2610.
342.23	2500.	2762.	2728.	2594.
348.20	2449.	2731.	2704.	2582.
354.16	2422.	2699.	2680.	2559.
360.13	2402.	2656.	2653.	2543.
375.05	2335.	2573.	2596.	2500.
389.97	2245.	2499.	2523.	2445.
404.90	2159.	2385.	2429.	2387.
419.81	2026.	2244.	2312.	2301.
434.74	1855.	2107.	2187.	2184.
449.66	1752.	1935.	2049.	2098.
464.58	1649.	1822.	1932.	1992.
479.51	1474.	1662.	1802.	1865.
494.42	1354.	1487.	1658.	1749.
509.35	1216.	1335.	1518.	1630.
524.27	1030.	1126.	1354.	1503.
539.19	850.0	960.6	1183.	1365.
554.12	687.9	756.7	1025.	1242.
569.03	509.6	532.8	844.9	1101.
583.96	416.2	381.1	671.9	959.7
598.88	331.4	289.5	533.0	833.8
601.86	317.5	268.6	515.5	813.6

CALC	08/25/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 COND. NO. 02 SPEC. 0376 RUN 05 THE BOEING COMPANY	Vol. III D2-80085 PAGE 2.01 3-59
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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
.02	429.9	437.1	330.1	BDCL3	364.6	244.2	346.6
5.98	429.9	437.1	324.7	BDCL3	361.9	239.0	341.1
11.95	427.2	434.4	327.4	BDCL3	359.2	239.0	341.1
17.92	427.2	431.8	327.4	BDCL3	356.5	233.7	338.4
23.89	424.5	429.1	330.1	BDCL3	353.8	231.1	335.7
29.85	424.5	429.1	335.6	BDCL3	353.8	231.1	335.7
35.82	421.8	426.4	341.0	BDCL3	353.8	233.7	332.9
41.79	421.8	426.4	346.5	BDCL3	353.8	239.0	335.7
47.76	419.1	426.4	354.6	BDCL3	356.5	246.8	332.9
53.72	427.2	426.4	365.5	BDCL3	359.2	259.9	335.7
59.69	424.5	426.4	379.0	BDCL3	361.9	280.9	335.7
65.66	427.2	426.4	395.2	BDCL3	372.7	302.7	338.4
71.63	432.6	429.1	411.3	BDCL3	378.1	332.6	346.6
77.60	440.6	434.4	430.2	BDCL3	388.8	368.0	352.0
83.57	454.1	442.5	454.4	BDCL3	402.2	408.3	362.9
89.54	464.8	450.5	475.8	BDCL3	418.3	459.4	373.8
95.51	480.8	455.9	499.6	BDCL3	437.0	509.8	387.3
101.48	499.3	469.3	534.0	BDCL3	458.5	567.7	403.4
107.45	523.1	482.5	565.6	BDCL3	482.4	626.8	425.0
113.42	549.5	498.3	601.6	BDCL3	508.7	688.5	446.5
119.39	578.1	516.7	642.8	BDCL3	540.3	747.7	470.7
134.30	610.7	576.9	756.1	BDCL3	628.0	901.9	542.2
149.24	783.8	653.8	879.6	BDCL3	733.1	1054.	625.1
164.15	907.2	743.5	1010.	BDCL3	853.6	1205.	725.5
179.07	1044.	851.2	1135.	BDCL3	983.3	1345.	833.7
194.00	1175.	968.3	1255.	BDCL3	1110.	1483.	954.1
208.91	1303.	1095.	1381.	BDCL3	1235.	1607.	1076.
223.85	1417.	1205.	1489.	BDCL3	1357.	1716.	1192.
238.76	1515.	1308.	1574.	BDCL3	1468.	1818.	1297.
253.68	1602.	1400.	1648.	BDCL3	1558.	1913.	1400.
268.61	1676.	1482.	1715.	BDCL3	1634.	2004.	1496.
270.59	1686.	1490.	1726.	BDCL3	1645.	2015.	1506.
276.56	1713.	1518.	1751.	BDCL3	1676.	2047.	1543.
282.53	1741.	1545.	1776.	BDCL3	1703.	2081.	1575.
288.50	1766.	1571.	1801.	BDCL3	1728.	2110.	1607.
294.47	1791.	1598.	1829.	BDCL3	1755.	2137.	1636.
300.44	1813.	1621.	1848.	BDCL3	1783.	2167.	1665.
306.41	1838.	1642.	1867.	BDCL3	1805.	2185.	1692.
312.38	1852.	1661.	1881.	BDCL3	1827.	2206.	1716.
318.35	1866.	1677.	1892.	BDCL3	1843.	2215.	1735.

CALC	08/25/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0316 COND. NO. 02 RUN 05 THE BOEING COMPANY	Vol. III
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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
324.32	1877.	1692.	1901.	BDCLB	1860.	2221.	1758.
330.29	1882.	1706.	1906.	BDCLB	1868.	2227.	1774.
336.26	1891.	1714.	1909.	BDCLB	1879.	2233.	1788.
342.23	1893.	1725.	1912.	BDCLB	1888.	2236.	1802.
348.20	1896.	1731.	1909.	BDCLB	1890.	2236.	1813.
354.16	1896.	1739.	1909.	BDCLB	1896.	2239.	1821.
360.13	1896.	1742.	1906.	BDCLB	1899.	2233.	1830.
375.05	1893.	1742.	1890.	BDCLB	1896.	2215.	1841.
389.97	1874.	1731.	1870.	BDCLB	1893.	2197.	1841.
404.90	1855.	1714.	1840.	BDCLB	1877.	2164.	1833.
419.81	1819.	1690.	1801.	BDCLB	1854.	2122.	1813.
434.74	1774.	1656.	1751.	BDCLB	1816.	2067.	1785.
449.56	1722.	1613.	1693.	BDCLB	1772.	2007.	1749.
464.58	1665.	1563.	1635.	BDCLB	1725.	1941.	1705.
479.51	1607.	1513.	1577.	BDCLB	1676.	1865.	1660.
494.42	1549.	1463.	1516.	BDCLB	1629.	1793.	1615.
509.35	1488.	1410.	1450.	BDCLB	1573.	1719.	1564.
524.27	1417.	1347.	1370.	BDCLB	1510.	1636.	1506.
539.19	1340.	1289.	1294.	BDCLB	1444.	1546.	1445.
554.12	1267.	1223.	1222.	BDCLB	1376.	1451.	1379.
569.03	1195.	1164.	1145.	BDCLB	1299.	1356.	1313.
583.96	1131.	1105.	1073.	BDCLB	1233.	1259.	1246.
598.88	1070.	1052.	1007.	BDCLB	1164.	1169.	1184.
601.86	1057.	1044.	996.8	BDCLB	1154.	1154.	1171.

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-20, T-21, T-22, & T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

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C-3M, C-5M, T-16, T-24

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T-17, T-18, T-19, T-20, T-21, T-22, T-23

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	-----DEGREES FAHRENHEIT-----						
1317.60	2290.	2418.	2651.	2618.	2535.	1928.	2191.
1347.45	2306.	2426.	2662.	2630.	2554.	1920.	2195.
1377.30	2333.	2441.	2682.	2649.	2578.	1924.	2191.
1407.14	2349.	2461.	2694.	2669.	2593.	1912.	2183.
1436.98	2345.	2457.	2694.	2669.	2597.	1912.	2167.
1440.96	2349.	2457.	2690.	2665.	2590.	1912.	2171.
1455.88	2368.	2473.	2713.	2713.	2601.	2179.	2410.
1470.81	2361.	2461.	2710.	2713.	2609.	2156.	2418.
1485.72	2364.	2469.	2713.	2717.	2609.	2156.	2422.
1500.65	2364.	2461.	2710.	2705.	2601.	2164.	2426.
1515.57	2353.	2469.	2706.	2697.	2605.	2172.	2426.
1530.49	2349.	2457.	2713.	2701.	2601.	2172.	2422.
1545.42	2349.	2461.	2710.	2697.	2601.	2172.	2434.
1560.33	2345.	2457.	2710.	2697.	2601.	2168.	2426.
1590.18	2361.	2473.	2717.	2713.	2617.	2172.	2426.
1620.03	2325.	2406.	2682.	2669.	2578.	2164.	2422.
1649.87	2294.	2394.	2651.	2649.	2554.	2140.	2418.
1679.71	2286.	2390.	2643.	2630.	2543.	2117.	2379.
1709.55	2255.	2351.	2595.	2590.	2503.	2093.	2363.
1739.40	2192.	2281.	2533.	2531.	2445.	2038.	2300.
1769.25	2098.	2183.	2423.	2421.	2335.	1948.	2206.
1799.09	1980.	2050.	2290.	2280.	2210.	1843.	2101.
1828.93	1860.	1916.	2146.	2151.	2085.	1730.	1975.
1858.77	1727.	1769.	2009.	2006.	1949.	1640.	1859.
1888.62	1604.	1633.	1866.	1870.	1824.	1499.	1722.
1918.47	1426.	1430.	1661.	1661.	1621.	1348.	1565.
1948.31	1203.	1230.	1459.	1449.	1432.	1218.	1416.
1978.15	1012.	1011.	1229.	1227.	1219.	998.4	1211.
2007.99	805.1	789.0	985.3	987.7	1009.	801.1	1011.
2037.84	591.8	550.6	719.2	726.1	771.8	557.4	741.1
2067.69	416.4	381.2	503.4	516.2	567.2	345.9	498.0
2097.53	317.6	289.6	386.8	405.0	456.5	248.0	375.4
2127.37	254.8	233.7	303.3	317.8	374.9	192.0	296.6
2157.21	205.9	184.9	240.6	254.9	303.2	164.0	247.7
2187.06	198.9	177.9	212.7	226.9	254.5	150.0	226.8
2216.91	191.9	177.9	205.7	219.9	254.5	150.0	226.8
2246.75	184.9	170.9	198.8	205.9	247.5	150.0	212.8

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			

09.99-	370.1	381.8	434.6	398.7
85.06-	393.6	393.6	458.0	416.3
70.14-	417.0	399.4	469.7	439.6
55.22-	428.7	422.9	493.2	457.1
40.29-	417.0	422.9	504.9	480.5

25.38-	440.4	446.3	522.5	498.0
10.45-	446.3	446.3	540.0	515.5
4.47	458.0	481.5	563.5	533.1
19.39	463.9	481.5	575.2	533.1
34.32	481.5	481.5	581.1	538.9

49.23	458.0	487.3	592.8	544.7
64.16	499.0	475.6	598.6	562.3
79.08	481.5	499.0	598.6	579.8
94.00	481.5	499.0	614.8	573.9
108.93	493.2	499.0	614.8	585.6

123.84	510.8	510.8	625.4	602.9
138.77	510.8	516.6	636.1	613.5
150.71	540.1	569.4	646.8	618.8
156.67	646.8	678.8	678.8	634.8
162.64	742.8	774.8	753.5	677.3

168.61	841.9	872.3	836.8	735.8
174.58	948.2	978.6	963.4	799.6
180.54	1038.	1067.	1062.	865.2
186.51	1144.	1163.	1172.	946.0
192.48	1233.	1252.	1266.	1026.

198.45	1321.	1339.	1353.	1103.
204.42	1429.	1460.	1446.	1183.
210.39	1547.	1564.	1560.	1276.
225.32	1823.	1839.	1823.	1518.
240.24	2082.	2094.	2070.	1773.

255.15	2334.	2322.	2267.	2026.
270.09	2565.	2538.	2467.	2250.
285.00	2633.	2589.	2514.	2379.
299.93	2688.	2633.	2565.	2445.
314.85	2644.	2597.	2546.	2461.

329.76	2613.	2558.	2518.	2445.
344.70	2518.	2463.	2451.	2394.
359.61	2420.	2369.	2369.	2328.
389.46	2228.	2173.	2196.	2183.
419.31	2031.	1992.	2031.	2026.

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TIME SEC.	J-6 C-3M	J-7 C-5M	J-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
449.15	1831.	1790.	1856.	1867.
478.98	1713.	1679.	1748.	1748.
508.83	1602.	1581.	1654.	1671.
538.68	1538.	1517.	1581.	1624.
568.53	1517.	1482.	1543.	1582.
598.37	1513.	1496.	1534.	1556.
628.20	1551.	1585.	1594.	1586.
658.05	1790.	1794.	1760.	1739.
687.90	1929.	1901.	1884.	1867.
717.75	1968.	1929.	1921.	1912.
747.59	1976.	1937.	1921.	1940.
777.42	1992.	1941.	1913.	1948.
807.27	1972.	1941.	1901.	1948.
810.26	1968.	1937.	1913.	1944.
816.23	1964.	1941.	1896.	1940.
822.20	1964.	1937.	1896.	1936.
828.16	1960.	1921.	1896.	1936.
834.13	2023.	1847.	1856.	1948.
836.13	2015.	1835.	1843.	1952.
838.11	2023.	1803.	1835.	1960.
840.10	2047.	1782.	1827.	1968.
842.10	2027.	1811.	1819.	1971.
844.08	2004.	1807.	1815.	1968.
846.07	2015.	1811.	1815.	1964.
848.07	2047.	1815.	1819.	1968.
850.05	2051.	1815.	1819.	1971.
852.03	2070.	1819.	1815.	1979.
854.03	2074.	1823.	1815.	1987.
856.02	2074.	1831.	1819.	1991.
858.00	2110.	1880.	1831.	1995.
860.00	2188.	1957.	1856.	2011.
861.99	2255.	1984.	1884.	2038.
863.97	2334.	2031.	1921.	2073.
865.97	2412.	2074.	1960.	2120.
867.96	2463.	2098.	2000.	2159.
869.94	2491.	2125.	2035.	2199.
871.94	2522.	2153.	2066.	2238.
873.93	2542.	2180.	2094.	2265.
875.91	2565.	2196.	2118.	2289.
877.90	2589.	2212.	2141.	2312.

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TIME SEC.	J-6 C-3M	J-7 C-5M	J-5 T-10	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
879.90	2617.	2232.	2157.	2332.
881.88	2648.	2251.	2180.	2355.
883.87	2668.	2263.	2192.	2379.
885.87	2700.	2283.	2212.	2406.
887.85	2716.	2290.	2228.	2430.
889.84	2724.	2290.	2235.	2449.
891.84	2716.	2287.	2243.	2461.
893.82	2727.	2287.	2243.	2473.
895.81	2731.	2290.	2251.	2484.
897.81	2731.	2298.	2251.	2484.
899.79	2727.	2306.	2259.	2488.
905.76	2747.	2314.	2271.	2504.
911.73	2743.	2318.	2279.	2520.
917.70	2735.	2290.	2267.	2520.
923.67	2724.	2271.	2251.	2516.
929.64	2724.	2294.	2267.	2520.
935.61	2727.	2283.	2271.	2520.
941.58	2739.	2290.	2267.	2528.
947.55	2720.	2283.	2267.	2520.
953.51	2716.	2287.	2267.	2520.
959.48	2692.	2279.	2259.	2516.
965.45	2672.	2232.	2239.	2496.
971.42	2637.	2200.	2212.	2484.
977.38	2617.	2177.	2188.	2465.
983.35	2601.	2145.	2165.	2449.
989.32	2581.	2125.	2149.	2434.
995.29	2569.	2133.	2133.	2418.
1001.25	2554.	2114.	2129.	2410.
1007.22	2542.	2110.	2121.	2402.
1013.19	2526.	2098.	2114.	2390.
1019.16	2507.	2098.	2110.	2383.
1049.01	2436.	2047.	2059.	2328.
1078.86	2424.	2051.	2059.	2308.
1108.70	2428.	2047.	2063.	2320.
1138.54	2444.	2067.	2070.	2324.
1168.38	2483.	2094.	2094.	2355.
1198.23	2550.	2165.	2153.	2402.
1228.08	2629.	2243.	2220.	2465.
1257.92	2684.	2306.	2279.	2520.
1287.76	2720.	2345.	2326.	2559.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
449.15	1557.	1637.	1866.	1841.	1783.	1432.	1735.
478.08	1448.	1526.	1746.	1724.	1664.	1366.	1658.
508.83	1337.	1425.	1627.	1618.	1562.	1297.	1577.
538.68	1263.	1358.	1572.	1550.	1507.	1256.	1522.
568.53	1254.	1349.	1546.	1528.	1485.	1200.	1452.
598.37	1268.	1372.	1555.	1533.	1489.	1247.	1492.
628.20	1350.	1461.	1644.	1626.	1575.	1297.	1543.
658.05	1508.	1667.	1857.	1841.	1791.	1464.	1709.
687.00	1651.	1773.	1973.	1955.	1897.	1542.	1815.
717.75	1676.	1798.	2001.	1974.	1913.	1542.	1815.
747.59	1685.	1802.	2013.	1994.	1937.	1459.	1748.
777.42	1680.	1810.	2020.	1998.	1929.	1357.	1616.
807.27	1680.	1798.	2009.	1994.	1925.	1338.	1590.
810.26	1680.	1798.	2009.	1990.	1921.	1334.	1590.
816.23	1685.	1794.	2009.	1990.	1925.	1325.	1586.
822.20	1685.	1798.	2005.	1990.	1925.	1325.	1582.
828.16	1676.	1790.	2001.	1982.	1917.	1302.	1565.
834.13	1676.	1786.	2001.	1962.	1917.	1218.	1465.
836.13	1672.	1781.	1993.	1962.	1913.	1279.	1539.
838.11	1650.	1769.	1985.	1951.	1901.	1320.	1590.
840.10	1655.	1769.	1985.	1939.	1901.	1338.	1607.
842.10	1655.	1769.	1977.	1951.	1897.	1366.	1616.
844.08	1625.	1739.	1962.	1923.	1876.	1348.	1603.
846.07	1617.	1726.	1954.	1915.	1864.	1357.	1603.
848.07	1620.	1747.	1966.	1923.	1876.	1374.	1616.
850.05	1621.	1743.	1958.	1915.	1868.	1370.	1616.
852.03	1621.	1735.	1958.	1915.	1872.	1374.	1616.
854.03	1621.	1743.	1962.	1923.	1881.	1379.	1620.
856.02	1620.	1752.	1966.	1923.	1885.	1392.	1633.
858.00	1650.	1794.	2001.	1962.	1913.	1450.	1684.
860.00	1757.	1896.	2087.	2049.	2007.	1525.	1752.
861.99	1852.	1995.	2169.	2135.	2085.	1585.	1815.
863.97	1953.	2097.	2263.	2229.	2183.	1627.	1867.
865.97	2031.	2183.	2349.	2312.	2257.	1679.	1920.
867.96	2067.	2210.	2388.	2351.	2292.	1704.	1952.
869.94	2067.	2210.	2415.	2359.	2300.	1717.	1971.
871.94	2090.	2222.	2435.	2382.	2320.	1743.	1987.
873.93	2110.	2246.	2458.	2406.	2343.	1755.	1999.
875.91	2145.	2269.	2486.	2421.	2363.	1768.	2015.
877.90	2161.	2296.	2509.	2453.	2386.	1794.	2046.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
449.15	1557.	1637.	1866.	1841.	1783.	1432.	1735.
478.98	1448.	1526.	1746.	1724.	1664.	1366.	1658.
508.83	1337.	1425.	1627.	1618.	1562.	1297.	1577.
538.68	1263.	1358.	1572.	1550.	1507.	1256.	1522.
568.53	1254.	1349.	1546.	1528.	1485.	1200.	1452.
598.37	1268.	1372.	1555.	1533.	1489.	1247.	1492.
628.20	1350.	1461.	1644.	1626.	1575.	1297.	1543.
658.05	1548.	1667.	1857.	1841.	1791.	1464.	1709.
687.90	1651.	1773.	1973.	1955.	1897.	1542.	1815.
717.75	1676.	1798.	2001.	1974.	1913.	1542.	1815.
747.59	1685.	1802.	2013.	1994.	1937.	1459.	1748.
777.42	1680.	1810.	2020.	1998.	1929.	1357.	1616.
807.27	1680.	1798.	2009.	1994.	1925.	1338.	1590.
810.26	1680.	1798.	2009.	1990.	1921.	1334.	1590.
816.23	1685.	1794.	2009.	1990.	1925.	1325.	1586.
822.20	1685.	1798.	2005.	1990.	1925.	1325.	1582.
828.16	1676.	1790.	2001.	1982.	1917.	1302.	1565.
834.13	1676.	1786.	2001.	1962.	1917.	1218.	1465.
836.13	1672.	1781.	1993.	1962.	1913.	1279.	1539.
838.11	1650.	1769.	1985.	1951.	1901.	1320.	1590.
840.10	1655.	1769.	1985.	1939.	1901.	1338.	1607.
842.10	1655.	1769.	1977.	1951.	1897.	1366.	1616.
844.08	1625.	1739.	1962.	1923.	1876.	1348.	1603.
846.07	1617.	1726.	1954.	1915.	1864.	1357.	1603.
848.07	1629.	1747.	1966.	1923.	1876.	1374.	1616.
850.05	1621.	1743.	1958.	1915.	1868.	1370.	1616.
852.03	1621.	1735.	1958.	1915.	1872.	1374.	1616.
854.03	1621.	1743.	1962.	1923.	1881.	1379.	1620.
856.02	1620.	1752.	1966.	1923.	1885.	1392.	1633.
858.00	1650.	1794.	2001.	1962.	1913.	1450.	1684.
860.00	1757.	1896.	2087.	2049.	2007.	1525.	1752.
861.99	1852.	1995.	2169.	2135.	2085.	1585.	1815.
863.97	1953.	2097.	2263.	2229.	2183.	1627.	1867.
865.97	2031.	2183.	2349.	2312.	2257.	1674.	1920.
867.96	2067.	2210.	2388.	2351.	2292.	1704.	1952.
869.94	2067.	2210.	2415.	2359.	2300.	1717.	1971.
871.94	2090.	2222.	2435.	2382.	2320.	1745.	1987.
873.93	2110.	2246.	2458.	2406.	2343.	1755.	1999.
875.91	2145.	2269.	2486.	2421.	2363.	1768.	2015.
877.90	2161.	2296.	2509.	2453.	2386.	1794.	2046.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
99.99-	324.6	331.4	390.9	393.3	369.1	317.9	416.3
85.06-	331.6	331.4	396.8	399.1	380.8	324.9	427.9
70.14-	358.0	363.7	415.9	422.5	404.1	331.9	439.6
55.22-	375.5	381.2	439.3	445.9	421.5	358.3	468.8
40.29-	369.7	381.2	430.3	440.1	421.5	352.5	474.7
25.38-	381.3	381.2	439.3	457.6	439.0	364.2	486.3
10.45-	381.3	387.0	445.1	451.8	439.0	381.7	503.9
4.47	398.9	416.2	462.6	486.9	468.2	387.6	521.4
19.39	416.4	416.2	474.3	498.6	474.0	375.9	498.0
34.32	416.4	416.2	485.9	498.6	474.0	381.7	509.7
49.23	398.9	416.2	480.1	486.9	468.2	387.6	521.4
64.16	398.9	404.6	474.3	486.9	468.2	387.6	521.4
79.08	416.4	416.2	485.9	498.6	479.8	399.3	533.1
94.00	422.3	427.9	503.4	510.3	497.3	416.9	562.3
108.93	428.1	433.8	503.4	516.2	503.1	405.2	544.7
123.84	439.8	439.6	520.9	533.7	503.1	428.6	562.3
138.77	439.8	439.6	520.9	533.7	509.0	422.7	568.1
150.71	469.0	474.6	555.9	568.8	543.9	457.9	602.9
156.67	597.6	645.4	676.7	720.8	686.9	534.0	688.0
162.64	704.3	783.6	804.0	876.5	803.4	635.9	804.7
168.61	773.4	855.1	899.7	967.5	884.0	726.5	920.7
174.58	850.5	930.8	1000.	1056.	974.6	790.5	991.4
180.54	911.1	996.4	1082.	1133.	1058.	846.6	1045.
186.51	1007.	1108.	1196.	1246.	1167.	917.4	1127.
192.48	1074.	1179.	1280.	1324.	1247.	978.2	1202.
198.45	1151.	1253.	1379.	1418.	1343.	1047.	1276.
204.42	1245.	1363.	1465.	1524.	1449.	1143.	1367.
210.39	1323.	1447.	1503.	1614.	1549.	1218.	1465.
225.32	1536.	1671.	1857.	1870.	1799.	1441.	1709.
240.24	1753.	1892.	2103.	2096.	2015.	1657.	1924.
255.15	1961.	2124.	2337.	2319.	2226.	1863.	2132.
270.09	2172.	2328.	2568.	2539.	2425.	2050.	2332.
285.00	2298.	2437.	2678.	2653.	2531.	2093.	2379.
299.93	2345.	2480.	2729.	2705.	2582.	2136.	2434.
314.85	2313.	2433.	2690.	2661.	2550.	2093.	2394.
329.76	2286.	2394.	2651.	2626.	2515.	2070.	2379.
344.70	2180.	2285.	2537.	2520.	2418.	1983.	2289.
359.61	2094.	2195.	2447.	2425.	2335.	1912.	2214.
389.46	1917.	2003.	2251.	2233.	2144.	1751.	2065.
419.31	1727.	1802.	2048.	2029.	1956.	1606.	1916.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
879.90	2180.	2312.	2533.	2476.	2414.	1814.	2073.
881.88	2196.	2332.	2560.	2504.	2441.	1822.	2093.
883.87	2223.	2359.	2584.	2531.	2457.	1830.	2097.
885.87	2259.	2390.	2615.	2563.	2484.	1855.	2120.
887.85	2266.	2402.	2635.	2578.	2500.	1847.	2132.
889.84	2270.	2402.	2635.	2582.	2507.	1834.	2124.
891.84	2278.	2406.	2639.	2590.	2519.	1834.	2124.
893.82	2294.	2418.	2651.	2602.	2531.	1834.	2120.
895.81	2306.	2433.	2662.	2618.	2543.	1834.	2120.
897.81	2310.	2430.	2670.	2626.	2546.	1851.	2128.
899.79	2317.	2441.	2678.	2630.	2554.	1863.	2140.
905.76	2341.	2461.	2702.	2657.	2574.	1855.	2124.
911.73	2329.	2445.	2698.	2657.	2574.	1855.	2124.
917.70	2310.	2422.	2666.	2626.	2550.	1838.	2124.
923.67	2274.	2386.	2635.	2594.	2519.	1830.	2116.
929.64	2247.	2367.	2611.	2567.	2496.	1855.	2128.
935.61	2227.	2343.	2584.	2539.	2468.	1843.	2120.
941.58	2216.	2336.	2584.	2539.	2464.	1838.	2116.
947.55	2223.	2339.	2584.	2539.	2464.	1830.	2105.
953.51	2223.	2347.	2584.	2539.	2464.	1830.	2097.
959.48	2212.	2324.	2568.	2520.	2445.	1822.	2089.
965.45	2184.	2300.	2537.	2492.	2421.	1777.	2054.
971.42	2153.	2261.	2509.	2465.	2398.	1755.	2038.
977.38	2133.	2238.	2478.	2433.	2367.	1747.	2026.
983.35	2090.	2191.	2439.	2386.	2320.	1721.	2003.
989.32	2067.	2175.	2415.	2370.	2304.	1708.	1991.
995.29	2071.	2175.	2419.	2374.	2308.	1717.	1987.
1001.25	2055.	2155.	2400.	2351.	2289.	1713.	1979.
1007.22	2051.	2159.	2400.	2355.	2292.	1696.	1968.
1013.19	2047.	2152.	2384.	2347.	2281.	1696.	1964.
1019.16	2039.	2144.	2384.	2347.	2289.	1679.	1956.
1049.01	2012.	2105.	2345.	2319.	2257.	1644.	1936.
1078.86	2000.	2097.	2325.	2312.	2250.	1662.	1932.
1108.70	1957.	2058.	2298.	2268.	2203.	1662.	1932.
1138.54	1988.	2105.	2329.	2296.	2242.	1666.	1948.
1168.38	2027.	2144.	2368.	2339.	2277.	1687.	1964.
1198.23	2106.	2214.	2451.	2410.	2347.	1747.	2030.
1228.08	2168.	2285.	2521.	2480.	2414.	1826.	2089.
1257.92	2216.	2336.	2572.	2523.	2457.	1883.	2152.
1287.76	2263.	2383.	2611.	2578.	2507.	1924.	2195.

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TIME SEC.	J-6 C-3M -----	J-7 C-5M -----	J-5 T-16 -----	7-5 T-24 -----
	DEGREES FAHRENHEIT-----			
1317.60	2747.	2357.	2338.	2582.
1347.45	2743.	2357.	2330.	2582.
1377.30	2743.	2349.	2330.	2590.
1407.14	2739.	2345.	2322.	2594.
1436.98	2739.	2330.	2314.	2594.
1440.96	2743.	2330.	2314.	2598.
1455.88	2660.	2625.	2518.	2582.
1470.81	2656.	2625.	2554.	2571.
1485.72	2660.	2621.	2554.	2563.
1500.65	2660.	2613.	2558.	2571.
1515.57	2664.	2617.	2558.	2578.
1530.49	2660.	2617.	2554.	2575.
1545.42	2664.	2613.	2558.	2578.
1560.33	2660.	2617.	2554.	2582.
1590.18	2660.	2621.	2565.	2575.
1620.03	2644.	2597.	2542.	2563.
1649.87	2605.	2569.	2526.	2539.
1679.71	2585.	2554.	2503.	2520.
1709.55	2558.	2503.	2467.	2496.
1739.40	2495.	2440.	2412.	2445.
1769.25	2400.	2345.	2330.	2379.
1799.09	2294.	2220.	2235.	2300.
1828.93	2133.	2082.	2110.	2187.
1858.77	1992.	1953.	1980.	2069.
1888.62	1831.	1798.	1856.	1956.
1918.47	1637.	1602.	1688.	1819.
1948.31	1438.	1415.	1530.	1662.
1978.15	1205.	1177.	1330.	1496.
2007.99	1004.	933.0	1130.	1340.
2037.84	841.9	689.5	917.8	1197.
2067.69	673.5	463.9	705.4	1045.
2097.53	528.3	339.0	534.2	885.4
2127.37	399.4	255.0	428.7	741.1
2157.21	304.0	206.0	358.4	597.3
2187.06	276.0	192.0	297.0	498.0
2216.91	262.0	185.0	276.0	439.6
2246.75	248.0	185.0	255.0	398.7

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
99.99-	108.0	92.42	97.42	212.6	150.0	228.3	139.5
85.06-	113.2	95.04	107.9	228.3	160.4	244.0	152.6
70.14-	118.5	97.66	113.2	241.3	176.0	257.0	165.7
55.22-	129.0	100.3	121.1	262.2	189.0	275.3	176.1
40.29-	136.9	105.5	129.0	277.9	202.0	291.4	186.6
25.38-	142.1	108.1	136.9	296.8	215.1	307.7	202.3
10.45-	150.0	113.4	144.7	313.1	230.7	326.7	212.8
4.47	160.4	118.6	152.6	334.8	243.7	345.7	228.4
19.39	168.3	123.8	160.4	351.0	259.3	364.8	241.5
34.32	176.1	131.7	169.3	364.6	272.3	375.5	254.6
49.23	186.6	134.3	178.7	375.4	285.5	389.0	267.7
64.16	191.8	139.5	186.6	388.8	299.1	399.7	278.1
79.08	202.2	147.4	194.4	404.9	312.6	415.8	291.6
94.00	212.7	152.6	204.9	421.0	323.4	429.2	305.2
108.93	220.5	160.4	215.3	431.7	337.0	442.6	318.8
123.84	231.0	165.6	225.8	445.1	350.5	453.3	327.0
138.77	238.8	170.8	233.6	458.5	361.3	464.0	340.6
150.71	249.2	178.6	241.4	469.2	372.1	474.7	351.5
156.67	254.5	181.2	246.7	474.5	377.5	482.6	356.9
162.64	257.1	186.4	254.5	482.4	382.8	487.8	362.4
168.61	264.9	189.0	257.1	487.6	388.2	498.4	367.8
174.58	264.9	191.6	259.7	495.5	393.5	508.9	373.2
180.54	270.1	194.2	264.9	503.4	398.9	522.1	378.6
186.51	275.4	199.4	270.2	514.0	404.2	540.6	383.9
192.48	280.6	202.0	275.4	524.5	409.5	561.6	389.3
198.45	288.7	207.2	280.6	540.3	417.6	584.7	400.0
204.42	294.2	212.4	291.5	558.8	425.6	615.5	405.4
210.39	302.3	215.0	296.9	579.3	430.9	651.4	416.2
225.32	326.8	225.4	324.1	643.4	457.6	764.2	440.3
240.24	367.5	241.0	350.4	730.5	489.4	915.4	480.4
255.15	431.9	256.6	415.9	840.8	534.0	1095.	535.9
270.09	522.2	282.7	490.7	988.4	596.1	1290.	600.7
285.00	641.2	317.9	595.2	1156.	675.4	1482.	690.6
299.93	774.7	374.7	721.0	1310.	772.5	1630.	783.1
314.85	897.8	454.8	841.6	1442.	885.0	1745.	883.3
329.76	989.1	557.5	936.1	1534.	998.8	1814.	969.8
344.70	1050.	664.8	1002.	1592.	1100.	1833.	1061.
359.61	1080.	761.9	1048.	1629.	1171.	1828.	1125.
389.46	1096.	887.1	1083.	1655.	1256.	1770.	1199.
419.31	1078.	925.2	1070.	1634.	1281.	1688.	1212.

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
449.15	1040.	920.1	1035.	1579.	1266.	1595.	1191.
478.98	994.1	889.7	986.8	1500.	1225.	1490.	1150.
508.83	946.0	856.5	943.7	1426.	1176.	1408.	1102.
538.68	918.1	830.9	905.7	1381.	1146.	1371.	1066.
568.53	902.9	813.0	880.1	1352.	1125.	1342.	1048.
598.37	885.0	792.6	857.0	1315.	1100.	1308.	1028.
628.20	874.7	782.4	849.3	1299.	1085.	1308.	1015.
658.05	872.1	777.3	857.0	1302.	1077.	1342.	1015.
687.90	910.5	790.0	882.6	1344.	1090.	1421.	1028.
717.75	943.4	805.4	915.8	1394.	1113.	1474.	1054.
747.59	976.4	830.9	943.7	1434.	1143.	1516.	1086.
777.42	1002.	856.5	969.0	1471.	1174.	1540.	1115.
807.27	1022.	882.0	986.8	1494.	1202.	1555.	1138.
810.26	1025.	884.6	989.3	1500.	1204.	1556.	1140.
816.23	1027.	889.7	991.9	1500.	1210.	1556.	1145.
822.20	1035.	892.2	994.4	1502.	1212.	1558.	1148.
828.16	1035.	894.8	996.9	1505.	1215.	1558.	1150.
834.13	1035.	897.4	999.5	1510.	1220.	1558.	1153.
836.13	1037.	899.9	999.5	1510.	1222.	1558.	1156.
838.11	1037.	899.9	999.5	1510.	1222.	1558.	1156.
840.10	1037.	902.4	1002.	1510.	1222.	1558.	1158.
842.10	1040.	902.4	1002.	1510.	1225.	1558.	1158.
844.08	1040.	902.4	1002.	1513.	1225.	1558.	1158.
846.07	1040.	905.0	1002.	1513.	1225.	1558.	1161.
848.07	1042.	905.0	999.5	1515.	1227.	1558.	1161.
850.05	1042.	907.5	1002.	1515.	1227.	1558.	1163.
852.03	1045.	907.5	999.5	1518.	1230.	1561.	1163.
854.03	1045.	910.0	999.5	1518.	1230.	1561.	1163.
856.02	1045.	910.0	999.5	1521.	1233.	1564.	1166.
858.00	1045.	912.5	999.5	1521.	1233.	1564.	1166.
860.00	1045.	912.5	999.5	1523.	1235.	1569.	1166.
861.99	1045.	915.1	999.5	1526.	1235.	1577.	1168.
863.97	1047.	915.1	996.9	1526.	1238.	1582.	1168.
865.97	1050.	915.1	996.9	1529.	1238.	1595.	1168.
867.96	1052.	915.1	996.9	1531.	1238.	1605.	1174.
869.94	1052.	915.1	996.9	1537.	1240.	1616.	1174.
871.94	1057.	917.6	996.9	1539.	1245.	1624.	1174.
873.93	1060.	917.6	996.9	1544.	1243.	1635.	1176.
875.91	1060.	920.1	999.5	1552.	1245.	1648.	1176.
877.90	1063.	922.6	1002.	1555.	1245.	1659.	1176.

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TIME SEC.	8-4	4-5	8-5	4-6	8-6	4-7	8-7
	T-17	T-18	T-19	T-20	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----						
879.90	1070.	920.1	1002.	1563.	1245.	1669.	1179.
881.88	1070.	922.6	1002.	1566.	1250.	1685.	1181.
883.87	1075.	922.6	1002.	1573.	1250.	1696.	1181.
885.87	1078.	927.7	1005.	1581.	1253.	1712.	1189.
887.85	1083.	930.2	1007.	1589.	1256.	1725.	1189.
889.84	1088.	930.2	1010.	1594.	1258.	1737.	1191.
891.84	1090.	930.2	1012.	1605.	1263.	1751.	1197.
893.82	1098.	932.7	1015.	1616.	1266.	1759.	1199.
895.81	1103.	937.8	1015.	1623.	1271.	1775.	1202.
897.81	1108.	940.3	1020.	1631.	1271.	1786.	1204.
899.79	1113.	940.3	1022.	1642.	1273.	1795.	1207.
905.76	1129.	947.9	1030.	1668.	1286.	1828.	1220.
911.73	1147.	955.4	1037.	1692.	1296.	1850.	1233.
917.70	1159.	965.5	1048.	1716.	1312.	1872.	1245.
923.67	1172.	973.1	1055.	1739.	1325.	1889.	1258.
929.64	1184.	983.2	1063.	1758.	1338.	1900.	1274.
935.61	1200.	993.3	1073.	1777.	1351.	1911.	1284.
941.58	1211.	1003.	1081.	1788.	1365.	1920.	1297.
947.55	1218.	1016.	1091.	1805.	1380.	1925.	1310.
953.51	1226.	1024.	1096.	1816.	1391.	1934.	1320.
959.48	1234.	1034.	1103.	1827.	1404.	1937.	1331.
965.45	1241.	1041.	1109.	1835.	1415.	1934.	1339.
971.42	1247.	1049.	1114.	1841.	1422.	1937.	1349.
977.38	1252.	1059.	1121.	1849.	1433.	1934.	1357.
983.35	1254.	1067.	1124.	1852.	1441.	1928.	1363.
989.32	1257.	1072.	1129.	1854.	1449.	1922.	1370.
995.29	1259.	1077.	1132.	1854.	1457.	1917.	1376.
1001.25	1262.	1082.	1134.	1854.	1462.	1911.	1381.
1007.22	1262.	1087.	1137.	1854.	1467.	1905.	1381.
1013.19	1262.	1092.	1139.	1852.	1470.	1900.	1384.
1019.16	1262.	1092.	1139.	1852.	1475.	1894.	1386.
1049.01	1265.	1110.	1147.	1843.	1485.	1875.	1392.
1078.86	1265.	1117.	1155.	1827.	1483.	1858.	1397.
1108.70	1226.	1125.	1160.	1821.	1485.	1850.	1397.
1138.54	1277.	1135.	1173.	1824.	1491.	1856.	1402.
1168.38	1290.	1145.	1180.	1832.	1499.	1869.	1410.
1198.23	1306.	1158.	1198.	1849.	1509.	1900.	1423.
1228.08	1329.	1183.	1216.	1879.	1528.	1945.	1442.
1257.92	1361.	1204.	1242.	1916.	1554.	1988.	1468.
1287.76	1390.	1232.	1270.	1950.	1580.	2031.	1497.

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
1317.60	1422.	1263.	1296.	1984.	1609.	2059.	1524.
1347.45	1443.	1291.	1325.	2012.	1633.	2076.	1550.
1377.30	1464.	1317.	1346.	2029.	1654.	2090.	1574.
1407.14	1485.	1340.	1364.	2046.	1669.	2105.	1592.
1436.98	1498.	1361.	1383.	2058.	1683.	2114.	1611.
1440.96	1501.	1361.	1385.	2058.	1688.	2114.	1613.
1455.88	1511.	1374.	1398.	2066.	1693.	2135.	1621.
1470.81	1525.	1388.	1425.	2069.	1698.	2150.	1632.
1485.72	1538.	1403.	1459.	2072.	1704.	2159.	1642.
1500.65	1548.	1419.	1485.	2072.	1707.	2162.	1650.
1515.57	1559.	1437.	1507.	2078.	1715.	2168.	1661.
1530.49	1569.	1453.	1525.	2086.	1720.	2174.	1671.
1545.42	1577.	1469.	1538.	2089.	1726.	2177.	1677.
1560.33	1588.	1479.	1549.	2092.	1734.	2180.	1687.
1590.18	1601.	1498.	1567.	2103.	1745.	2186.	1701.
1620.03	1612.	1511.	1578.	2103.	1753.	2183.	1706.
1649.87	1606.	1516.	1583.	2103.	1756.	2171.	1714.
1679.71	1583.	1514.	1583.	2095.	1753.	2162.	1709.
1709.55	1598.	1508.	1575.	2083.	1745.	2141.	1701.
1739.40	1590.	1503.	1565.	2063.	1734.	2111.	1695.
1769.25	1580.	1493.	1554.	2041.	1729.	2068.	1682.
1799.09	1559.	1479.	1530.	2009.	1712.	2019.	1666.
1828.93	1538.	1458.	1504.	1967.	1690.	1951.	1645.
1858.77	1503.	1432.	1470.	1913.	1664.	1878.	1616.
1888.62	1469.	1401.	1433.	1854.	1630.	1806.	1584.
1918.47	1432.	1369.	1390.	1794.	1593.	1729.	1547.
1948.31	1390.	1332.	1348.	1730.	1559.	1648.	1505.
1978.15	1337.	1288.	1303.	1650.	1507.	1558.	1460.
2007.99	1290.	1245.	1255.	1568.	1454.	1474.	1413.
2037.84	1241.	1201.	1201.	1489.	1401.	1390.	1360.
2067.69	1185.	1145.	1137.	1413.	1344.	1313.	1304.
2097.53	1111.	1077.	1065.	1318.	1271.	1226.	1240.
2127.37	1027.	1001.	991.9	1212.	1189.	1129.	1163.
2157.21	946.0	927.7	910.7	1095.	1097.	1022.	1079.
2187.06	872.1	861.6	841.6	975.7	1001.	917.9	995.1
2216.91	815.7	810.5	785.1	869.0	915.5	828.4	919.0
2246.75	767.0	767.0	738.9	786.9	841.5	754.0	852.5

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-20, T-21, T-22, & T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

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C-3M, C-5M, T-16, T-24

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T-17, T-18, T-19, T-20, T-21, T-22, T-23

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
99.99-	317.9	331.4	380.8	381.6	380.7	345.9	451.4
85.08-	324.9	338.4	386.6	393.3	392.3	370.0	474.8
70.15-	324.9	352.0	386.6	393.3	392.3	345.9	463.1
55.23-	345.9	369.5	415.8	416.7	415.6	393.5	515.7
40.31-	364.2	387.0	433.3	446.0	438.9	399.3	527.4
25.38-	381.7	398.7	450.7	457.7	462.2	416.9	539.1
10.47-	381.7	416.2	462.4	469.4	473.9	416.9	556.6
4.46	370.0	387.0	444.9	451.8	450.6	440.3	580.0
19.38	393.4	416.2	474.1	481.1	473.9	422.7	562.5
34.30	393.4	422.0	491.5	486.9	485.5	440.3	574.2
49.23	381.7	398.7	474.1	469.4	479.7	446.2	603.1
64.14	387.6	416.2	474.1	475.2	485.5	440.3	591.7
79.07	387.6	416.2	468.2	463.5	479.7	434.4	585.9
93.99	399.3	439.6	497.4	498.6	508.8	481.3	619.1
108.91	381.7	404.5	474.1	475.2	479.7	469.6	619.1
123.84	416.9	445.4	503.2	516.2	520.5	475.4	624.4
138.75	416.9	427.9	497.4	498.6	497.2	481.3	635.0
150.69	446.1	498.0	555.7	557.1	555.4	504.7	651.0
156.66	563.3	634.7	681.7	699.5	686.7	603.9	752.1
162.63	678.5	772.9	793.1	826.0	808.2	705.2	875.7
168.60	758.5	855.0	894.2	932.1	908.8	801.1	986.8
174.57	856.7	960.9	1005.	1046.	1009.	866.9	1065.
180.54	907.3	1016.	1092.	1124.	1086.	922.5	1142.
186.51	1018.	1122.	1200.	1232.	1181.	988.3	1212.
192.48	1071.	1178.	1288.	1310.	1260.	1032.	1268.
198.45	1171.	1294.	1387.	1409.	1360.	1086.	1336.
204.42	1256.	1380.	1408.	1507.	1462.	1181.	1430.
210.39	1343.	1469.	1596.	1601.	1544.	1283.	1544.
225.30	1580.	1713.	1869.	1866.	1807.	1473.	1748.
240.23	1781.	1924.	2105.	2080.	2014.	1666.	1957.
255.15	2003.	2143.	2348.	2320.	2241.	1887.	2160.
270.07	2207.	2351.	2570.	2539.	2444.	2066.	2345.
285.00	2317.	2441.	2673.	2646.	2553.	2093.	2403.
299.91	2368.	2488.	2724.	2709.	2608.	2109.	2450.
314.84	2340.	2441.	2680.	2669.	2577.	2113.	2431.
329.76	2281.	2386.	2633.	2622.	2530.	2077.	2395.
344.68	2187.	2284.	2539.	2527.	2436.	2015.	2325.
359.61	2109.	2194.	2434.	2425.	2335.	1920.	2235.
389.45	1928.	2010.	2242.	2233.	2147.	1764.	2090.
419.29	1730.	1814.	2047.	2037.	1971.	1602.	1933.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
449.13	1546.	1620.	1848.	1837.	1774.	1419.	1744.
478.98	1441.	1518.	1732.	1725.	1667.	1338.	1659.
508.83	1329.	1403.	1622.	1605.	1566.	1251.	1574.
538.67	1293.	1376.	1562.	1558.	1527.	1247.	1531.
568.51	1265.	1336.	1532.	1533.	1502.	1209.	1510.
598.35	1282.	1358.	1558.	1550.	1519.	1237.	1514.
628.20	1366.	1452.	1634.	1639.	1604.	1283.	1587.
658.05	1589.	1688.	1873.	1870.	1815.	1432.	1740.
687.89	1679.	1777.	1976.	1970.	1908.	1508.	1811.
717.73	1700.	1798.	2004.	1990.	1932.	1534.	1832.
747.57	1704.	1786.	2008.	2002.	1944.	1446.	1753.
777.42	1721.	1802.	2019.	2013.	1952.	1437.	1731.
807.27	1713.	1802.	2011.	2013.	1956.	1329.	1565.
810.24	1717.	1806.	2015.	2013.	1956.	1338.	1574.
816.21	1721.	1802.	2008.	2013.	1948.	1338.	1578.
822.18	1708.	1798.	2008.	2013.	1944.	1343.	1578.
828.15	1717.	1798.	1996.	1998.	1944.	1283.	1527.
834.12	1636.	1709.	1945.	1915.	1864.	1293.	1523.
836.11	1602.	1675.	1917.	1882.	1835.	1383.	1629.
838.11	1593.	1666.	1913.	1858.	1827.	1383.	1642.
840.09	1636.	1717.	1945.	1903.	1864.	1379.	1642.
842.08	1653.	1734.	1957.	1919.	1880.	1370.	1638.
844.08	1653.	1743.	1953.	1919.	1888.	1361.	1621.
846.06	1653.	1743.	1949.	1919.	1888.	1361.	1616.
848.04	1644.	1730.	1953.	1923.	1880.	1366.	1616.
850.04	1644.	1743.	1953.	1923.	1888.	1374.	1625.
852.03	1653.	1747.	1953.	1923.	1884.	1388.	1638.
854.01	1661.	1747.	1961.	1927.	1892.	1388.	1650.
856.01	1670.	1764.	1976.	1939.	1904.	1401.	1663.
858.00	1738.	1851.	2047.	2013.	1968.	1473.	1731.
859.98	1830.	1940.	2125.	2092.	2053.	1534.	1791.
861.98	1920.	2022.	2223.	2194.	2147.	1589.	1856.
863.97	1987.	2120.	2297.	2265.	2210.	1653.	1933.
865.95	2050.	2171.	2351.	2320.	2256.	1687.	1964.
867.95	2081.	2214.	2387.	2363.	2299.	1696.	1984.
869.94	2093.	2222.	2414.	2371.	2311.	1713.	2000.
871.92	2109.	2230.	2430.	2390.	2339.	1717.	2012.
873.91	2132.	2249.	2477.	2422.	2362.	1747.	2031.
875.91	2160.	2280.	2492.	2449.	2385.	1760.	2039.
877.89	2187.	2300.	2516.	2473.	2413.	1764.	2051.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
879.88	2211.	2324.	2539.	2496.	2436.	1777.	2090.
881.88	2234.	2351.	2570.	2516.	2456.	1794.	2106.
883.86	2250.	2371.	2586.	2539.	2475.	1810.	2121.
885.85	2270.	2378.	2610.	2559.	2495.	1830.	2145.
887.85	2278.	2394.	2621.	2578.	2514.	1830.	2149.
889.83	2289.	2402.	2633.	2586.	2518.	1830.	2145.
891.82	2297.	2410.	2637.	2590.	2530.	1818.	2137.
893.82	2305.	2414.	2649.	2606.	2545.	1814.	2137.
895.80	2317.	2425.	2657.	2618.	2553.	1814.	2137.
897.78	2325.	2421.	2669.	2622.	2557.	1814.	2137.
899.78	2333.	2429.	2665.	2630.	2561.	1814.	2145.
905.75	2329.	2429.	2669.	2634.	2569.	1818.	2145.
911.72	2333.	2433.	2673.	2642.	2569.	1822.	2137.
917.69	2317.	2418.	2649.	2618.	2553.	1818.	2141.
923.65	2297.	2386.	2637.	2602.	2538.	1814.	2137.
929.62	2266.	2359.	2602.	2567.	2518.	1806.	2137.
935.59	2254.	2351.	2586.	2551.	2495.	1822.	2145.
941.56	2250.	2347.	2590.	2547.	2491.	1814.	2153.
947.52	2227.	2324.	2570.	2524.	2463.	1798.	2145.
953.49	2254.	2351.	2598.	2555.	2503.	1826.	2133.
959.46	2238.	2324.	2570.	2539.	2475.	1802.	2133.
965.43	2215.	2296.	2547.	2516.	2456.	1755.	2090.
971.40	2187.	2265.	2520.	2484.	2428.	1738.	2074.
977.37	2152.	2226.	2477.	2437.	2378.	1730.	2051.
983.34	2101.	2183.	2437.	2398.	2350.	1700.	2031.
989.31	2093.	2167.	2414.	2382.	2327.	1713.	2019.
995.28	2081.	2167.	2406.	2371.	2315.	1704.	2004.
1001.25	2081.	2167.	2406.	2371.	2315.	1687.	1992.
1007.22	2073.	2151.	2394.	2359.	2303.	1696.	1988.
1013.19	2073.	2143.	2387.	2355.	2299.	1679.	1988.
1019.16	2073.	2143.	2387.	2347.	2303.	1679.	1980.
1049.00	2050.	2120.	2348.	2320.	2276.	1632.	1937.
1078.84	2030.	2104.	2340.	2308.	2256.	1640.	1949.
1108.68	1999.	2089.	2312.	2280.	2225.	1632.	1949.
1138.53	2015.	2104.	2328.	2292.	2245.	1662.	1968.
1168.38	2069.	2167.	2383.	2351.	2296.	1670.	1968.
1198.22	2136.	2230.	2457.	2422.	2366.	1747.	2043.
1228.06	2187.	2300.	2520.	2473.	2409.	1830.	2106.
1257.90	2238.	2343.	2574.	2535.	2463.	1875.	2168.
1287.75	2305.	2402.	2625.	2594.	2526.	1916.	2204.

CALC	09/14/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 02 THE BOEING COMPANY	Vol. III
CHECK	<i>Stapp</i>	<i>9/29/1</i>				DZ-80085
APR						PAGE 3-00
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2-5000

TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1317.60	2325.	2418.	2649.	2610.	2542.	1924.	2223.
1347.44	2333.	2437.	2665.	2642.	2573.	1912.	2207.
1377.24	2352.	2441.	2676.	2650.	2585.	1912.	2211.
1407.12	2352.	2441.	2673.	2650.	2585.	1896.	2204.
1436.97	2356.	2449.	2676.	2657.	2589.	1896.	2207.
1440.96	2352.	2441.	2676.	2657.	2589.	1887.	2207.
1455.87	2384.	2468.	2712.	2713.	2612.	2172.	2458.
1470.79	2384.	2472.	2708.	2709.	2600.	2156.	2439.
1485.72	2387.	2472.	2708.	2705.	2612.	2160.	2443.
1500.63	2384.	2464.	2716.	2709.	2624.	2148.	2443.
1515.57	2384.	2480.	2720.	2709.	2636.	2148.	2450.
1530.48	2387.	2472.	2720.	2705.	2624.	2152.	2446.
1545.40	2387.	2480.	2720.	2713.	2620.	2156.	2458.
1560.33	2387.	2480.	2712.	2709.	2632.	2148.	2450.
1590.18	2387.	2472.	2716.	2717.	2632.	2156.	2458.
1620.01	2364.	2449.	2688.	2685.	2600.	2152.	2435.
1649.85	2344.	2421.	2657.	2661.	2569.	2117.	2407.
1679.70	2325.	2402.	2641.	2642.	2569.	2093.	2403.
1709.55	2274.	2355.	2590.	2598.	2503.	2077.	2380.
1739.40	2219.	2292.	2531.	2539.	2424.	2038.	2333.
1769.23	2117.	2187.	2426.	2425.	2346.	1932.	2231.
1799.07	1999.	2061.	2305.	2304.	2229.	1830.	2133.
1828.92	1871.	1916.	2156.	2155.	2085.	1687.	1992.
1858.77	1738.	1777.	2011.	2013.	1960.	1559.	1885.
1888.62	1589.	1624.	1865.	1866.	1823.	1473.	1761.
1918.45	1401.	1429.	1656.	1656.	1612.	1302.	1574.
1948.29	1247.	1253.	1467.	1472.	1458.	1134.	1412.
1978.14	1032.	1025.	1233.	1246.	1223.	947.8	1221.
2007.99	826.4	804.6	999.9	1008.	1019.	779.8	1031.
2037.84	569.1	527.2	713.5	699.5	739.7	557.4	773.4
2067.67	416.9	369.5	497.4	510.3	561.2	370.0	545.0
2097.51	317.9	275.6	369.1	393.3	438.9	234.0	381.3
2127.36	248.0	212.8	289.3	303.8	357.4	185.0	296.6
2157.21	213.0	177.9	233.6	247.9	289.2	157.0	247.8
2187.06	199.0	177.9	212.7	226.9	247.4	164.0	247.8
2216.89	192.0	177.9	198.7	219.9	247.4	157.0	226.8
2246.73	185.0	164.0	198.7	205.9	233.5	150.0	212.8

CALC	09/14/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 02 THE BOEING COMPANY	Vol. III
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TIME SEC.	3-6 C-3P -----	3-7 C-5M -----	3-5 T-16 -----	7-5 T-24 -----
	-----DEGREES FAHRENHEIT-----			
449.13	1807.	1779.	1842.	1820.
478.98	1706.	1668.	1733.	1711.
508.83	1595.	1562.	1626.	1634.
538.67	1526.	1498.	1566.	1583.
568.51	1496.	1471.	1536.	1549.
598.35	1518.	1493.	1536.	1545.
628.20	1560.	1566.	1583.	1570.
658.05	1799.	1787.	1754.	1719.
687.89	1926.	1894.	1875.	1845.
717.73	1961.	1922.	1920.	1890.
747.57	1965.	1922.	1916.	1910.
777.42	1977.	1938.	1920.	1926.
807.27	1981.	1942.	1891.	1930.
810.24	1985.	1942.	1891.	1926.
816.21	1981.	1934.	1891.	1934.
822.18	1965.	1950.	1895.	1930.
828.15	1961.	1902.	1883.	1934.
834.12	2008.	1836.	1838.	1934.
836.11	2016.	1808.	1834.	1938.
838.11	2036.	1766.	1821.	1946.
840.09	2048.	1783.	1813.	1958.
842.08	2044.	1787.	1817.	1954.
844.08	2044.	1792.	1809.	1954.
846.06	2044.	1792.	1805.	1958.
848.04	2044.	1812.	1805.	1962.
850.04	2048.	1816.	1809.	1962.
852.03	2048.	1812.	1813.	1966.
854.01	2059.	1812.	1813.	1973.
856.01	2075.	1812.	1813.	1977.
858.00	2150.	1885.	1825.	1989.
859.98	2229.	1934.	1846.	2013.
861.98	2307.	1993.	1879.	2040.
863.97	2370.	2028.	1916.	2079.
865.95	2445.	2071.	1959.	2122.
867.95	2476.	2106.	1995.	2158.
869.94	2504.	2126.	2026.	2193.
871.92	2535.	2146.	2050.	2224.
873.91	2551.	2169.	2077.	2256.
875.91	2567.	2185.	2101.	2283.
877.89	2594.	2201.	2117.	2307.

CALC	09/14/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 EWA NO. 05617 SPEC. 0316 COND. NO. 02 RUN 02 THE BOEING COMPANY	Vol. III
CHECK	Staff	9/3/1				DZ-80085
APR						2.01
APR						PAGE
CONTRACT NO.						3-80

TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
99.99-	387.8	363.9	394.0	416.6
85.08-	370.2	393.1	417.4	416.6
70.15-	399.5	393.1	435.1	422.4
55.23-	393.7	422.4	446.8	440.0
40.31-	440.6	434.1	464.4	451.6
25.38-	434.7	463.3	476.2	469.2
10.47-	458.2	463.3	490.6	486.7
4.46	469.9	451.6	490.6	504.3
19.38	434.7	486.7	523.1	516.0
34.30	464.0	492.5	534.9	516.0
49.23	464.0	463.3	534.9	533.5
64.14	481.6	469.2	540.7	539.4
79.07	469.9	463.3	534.9	556.9
93.99	481.6	515.9	558.3	556.9
108.91	464.0	498.4	575.9	556.9
123.84	499.2	498.4	564.2	574.5
138.75	487.5	498.4	575.9	574.5
150.69	546.1	551.0	581.8	586.2
156.66	663.0	683.2	615.5	614.0
162.63	764.4	768.4	658.3	656.6
168.60	857.4	876.1	722.4	709.9
174.57	963.8	956.9	797.2	779.1
180.54	1057.	1041.	878.5	855.9
186.51	1144.	1151.	969.8	931.7
192.48	1248.	1245.	1063.	1017.
198.45	1340.	1323.	1155.	1104.
204.42	1452.	1444.	1254.	1194.
210.39	1560.	1549.	1368.	1291.
225.30	1844.	1816.	1665.	1536.
240.23	2095.	2067.	1936.	1788.
255.15	2350.	2310.	2184.	2032.
270.07	2574.	2518.	2408.	2248.
285.00	2630.	2569.	2483.	2362.
299.91	2673.	2609.	2546.	2428.
314.84	2634.	2589.	2538.	2436.
329.76	2590.	2553.	2510.	2420.
344.68	2504.	2455.	2447.	2366.
359.61	2401.	2357.	2361.	2291.
389.45	2213.	2173.	2191.	2134.
419.29	2016.	1973.	2022.	1977.

CALC	09/14/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 EWA NO. 05617 COND. NO. 02 SPEC. 0376 RUN 02 THE BOEING COMPANY	Vol III
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APR						L.O.I
APR						PAGE
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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
879.88	2622.	2216.	2140.	2326.
881.88	2654.	2236.	2160.	2342.
883.86	2681.	2255.	2180.	2362.
885.85	2705.	2279.	2199.	2381.
887.85	2717.	2287.	2215.	2401.
889.83	2717.	2295.	2231.	2420.
891.82	2725.	2295.	2243.	2428.
893.82	2733.	2303.	2254.	2444.
895.80	2733.	2299.	2254.	2452.
897.78	2733.	2303.	2254.	2460.
899.78	2733.	2295.	2254.	2467.
905.75	2741.	2303.	2258.	2483.
911.72	2733.	2303.	2270.	2491.
917.69	2725.	2287.	2270.	2491.
923.65	2717.	2283.	2270.	2491.
929.62	2721.	2271.	2262.	2491.
935.59	2733.	2283.	2262.	2499.
941.56	2733.	2279.	2262.	2503.
947.52	2705.	2263.	2262.	2499.
953.49	2713.	2287.	2262.	2487.
959.46	2685.	2271.	2262.	2483.
965.43	2646.	2220.	2235.	2460.
971.40	2630.	2189.	2207.	2448.
977.37	2610.	2161.	2184.	2436.
983.34	2582.	2130.	2156.	2424.
989.31	2570.	2126.	2140.	2413.
995.28	2555.	2122.	2144.	2397.
1001.25	2547.	2118.	2128.	2389.
1007.22	2531.	2118.	2125.	2373.
1013.19	2519.	2099.	2117.	2369.
1019.16	2496.	2095.	2105.	2358.
1049.00	2425.	2044.	2058.	2303.
1078.84	2425.	2048.	2050.	2295.
1108.68	2429.	2052.	2054.	2291.
1138.53	2433.	2067.	2062.	2303.
1168.38	2488.	2095.	2085.	2330.
1198.22	2559.	2169.	2144.	2385.
1228.06	2630.	2232.	2215.	2440.
1257.90	2685.	2314.	2278.	2487.
1287.75	2729.	2342.	2313.	2534.

CALC	09/14/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 EWA NO. 05617 SPEC. 03/6 COND. NO. 02 RUN 02 THE BOEING COMPANY	Vol. III
CHECK	<i>Step</i>	9/17/1				02-80085
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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
99.99-	332.4	336.9	321.4	291.3	291.0	294.2	283.3
85.08-	332.4	336.9	321.4	304.9	301.9	305.0	288.7
70.15-	335.1	334.2	324.1	313.0	310.0	313.2	291.5
55.23-	335.1	336.9	326.8	321.1	318.1	318.6	296.9
40.31-	335.1	334.2	329.6	329.3	320.8	326.8	302.3
25.38-	337.9	336.9	325.0	337.4	326.3	332.2	307.8
10.47-	340.6	336.9	337.7	351.0	331.7	345.8	310.5
4.46	346.0	336.9	340.4	361.8	339.8	356.7	318.6
19.38	346.0	339.6	345.9	375.3	347.9	367.5	324.1
34.30	348.7	339.6	348.6	388.7	356.0	378.3	326.8
49.23	351.5	345.0	351.3	399.4	361.5	389.0	334.9
64.14	356.9	345.0	356.7	410.1	372.3	399.7	340.4
79.07	362.3	347.7	362.2	423.5	380.3	407.8	345.8
93.99	365.1	347.7	364.9	436.9	388.3	421.2	353.9
108.91	370.5	350.4	373.0	447.6	399.0	434.6	362.1
123.84	373.2	355.8	375.7	461.0	409.7	445.3	372.9
138.75	381.2	358.6	378.4	471.7	417.7	456.0	378.3
150.69	383.9	361.3	383.7	479.6	425.7	461.4	386.3
156.66	383.9	361.3	386.4	482.3	428.4	466.8	389.0
162.63	386.6	364.0	389.1	487.5	433.8	472.1	391.7
168.60	389.3	366.7	389.1	490.2	436.4	480.0	394.4
174.57	392.0	366.7	391.8	498.1	439.1	490.5	399.7
180.54	394.7	369.4	394.5	506.0	444.5	506.4	402.4
186.51	400.0	372.1	399.8	513.9	447.1	522.2	405.1
192.48	400.0	372.1	402.5	527.0	452.5	540.6	410.5
198.45	408.1	374.7	407.9	540.2	457.8	566.8	415.8
204.42	410.8	377.4	415.9	558.6	465.8	592.5	418.5
210.39	416.1	380.1	421.3	579.2	471.2	628.4	426.6
225.30	437.6	385.4	442.7	643.2	494.8	738.7	442.6
240.23	472.5	398.8	474.8	732.9	523.8	879.8	469.5
255.15	522.6	409.5	525.0	848.2	565.7	1063.	509.0
270.07	593.0	433.5	595.2	993.2	622.0	1270.	561.7
285.00	682.9	462.9	682.5	1140.	693.6	1453.	636.1
299.91	780.5	507.7	774.8	1276.	780.6	1606.	723.3
314.84	875.5	567.9	862.1	1394.	875.2	1710.	823.4
329.76	951.9	642.0	936.1	1489.	969.0	1773.	923.2
344.68	1008.	721.2	994.4	1560.	1052.	1801.	1009.
359.61	1046.	790.2	1035.	1599.	1118.	1795.	1070.
389.45	1066.	884.8	1070.	1615.	1195.	1734.	1142.
419.29	1053.	922.8	1065.	1578.	1213.	1646.	1154.

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APR						1.02
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TIME SEC.	3-6 C-3M -----	3-7 C-5M -----	3-5 T-16 -----	7-5 T-24 -----
	-----DEGREES FAHRENHEIT-----			
1317.60	2733.	2353.	2333.	2550.
1347.44	2748.	2353.	2329.	2562.
1377.28	2745.	2342.	2317.	2562.
1407.12	2729.	2326.	2310.	2562.
1436.97	2737.	2326.	2302.	2565.
1440.96	2737.	2318.	2306.	2569.
1455.87	2646.	2616.	2498.	2538.
1470.79	2657.	2616.	2557.	2542.
1485.72	2646.	2616.	2561.	2542.
1500.63	2661.	2609.	2557.	2542.
1515.57	2654.	2620.	2565.	2542.
1530.48	2661.	2609.	2569.	2546.
1545.40	2657.	2609.	2569.	2546.
1560.33	2661.	2616.	2569.	2554.
1590.18	2654.	2620.	2569.	2554.
1620.01	2646.	2601.	2557.	2546.
1649.85	2610.	2569.	2530.	2522.
1679.70	2586.	2538.	2510.	2507.
1709.55	2547.	2502.	2479.	2479.
1739.40	2484.	2444.	2428.	2428.
1769.23	2386.	2350.	2341.	2362.
1799.07	2284.	2224.	2239.	2283.
1828.92	2138.	2075.	2117.	2177.
1858.77	1977.	1942.	1995.	2068.
1888.62	1820.	1792.	1846.	1950.
1918.45	1620.	1600.	1690.	1812.
1948.29	1416.	1400.	1515.	1664.
1978.14	1191.	1180.	1327.	1498.
2007.99	968.8	956.9	1131.	1328.
2037.84	791.1	688.5	929.2	1180.
2067.67	636.3	475.0	722.4	1031.
2097.51	505.1	338.7	540.7	891.3
2127.36	370.2	261.8	423.3	741.8
2157.21	297.1	198.9	352.9	603.4
2187.06	276.1	198.9	318.4	510.1
2216.89	262.1	191.9	276.3	457.5
2246.73	248.1	184.9	262.2	416.6

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APR					PAGE
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C

TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
449.13	1023.	925.3	1040.	1518.	1197.	1548.	1139.
478.98	982.4	905.1	996.9	1447.	1164.	1459.	1103.
508.83	944.3	879.6	956.4	1389.	1126.	1387.	1068.
538.67	916.4	854.1	920.9	1341.	1098.	1335.	1035.
568.51	893.5	828.5	887.8	1304.	1073.	1300.	1012.
598.35	883.2	813.2	867.2	1284.	1057.	1282.	994.1
628.20	875.5	803.0	857.0	1268.	1045.	1277.	984.0
658.05	888.4	803.0	862.1	1281.	1047.	1324.	986.5
687.89	911.3	808.1	887.8	1325.	1063.	1395.	999.2
717.73	944.3	828.5	920.9	1378.	1093.	1453.	1030.
747.57	979.9	859.2	953.8	1425.	1126.	1495.	1063.
777.42	1010.	889.9	981.7	1460.	1159.	1525.	1096.
807.27	1036.	915.2	1002.	1489.	1187.	1538.	1124.
810.24	1036.	920.3	1005.	1489.	1192.	1540.	1124.
816.21	1038.	920.3	1005.	1494.	1195.	1543.	1131.
822.18	1038.	922.8	1010.	1499.	1200.	1548.	1131.
828.15	1043.	930.4	1012.	1499.	1203.	1546.	1139.
834.12	1043.	932.9	1015.	1504.	1208.	1543.	1142.
836.11	1046.	932.9	1015.	1504.	1208.	1543.	1142.
838.11	1046.	935.4	1015.	1504.	1210.	1540.	1147.
840.09	1046.	935.4	1015.	1507.	1210.	1543.	1147.
842.08	1048.	938.0	1015.	1510.	1213.	1543.	1147.
844.08	1046.	938.0	1015.	1510.	1213.	1543.	1147.
846.06	1048.	935.4	1017.	1510.	1215.	1543.	1147.
848.04	1048.	940.5	1015.	1510.	1215.	1543.	1149.
850.04	1051.	940.5	1017.	1512.	1220.	1546.	1149.
852.03	1051.	943.0	1015.	1512.	1220.	1543.	1152.
854.01	1051.	943.0	1015.	1512.	1220.	1546.	1152.
856.01	1051.	943.0	1015.	1515.	1220.	1548.	1154.
858.00	1053.	945.5	1012.	1518.	1223.	1554.	1154.
859.98	1056.	943.0	1015.	1520.	1226.	1556.	1159.
861.98	1056.	948.1	1015.	1523.	1226.	1567.	1157.
863.97	1064.	948.1	1017.	1526.	1226.	1572.	1159.
865.95	1064.	950.6	1015.	1528.	1228.	1585.	1162.
867.95	1066.	950.6	1017.	1536.	1231.	1596.	1162.
869.94	1064.	950.6	1020.	1536.	1231.	1606.	1162.
871.92	1069.	953.1	1020.	1541.	1233.	1617.	1165.
873.91	1099.	955.6	1020.	1544.	1236.	1625.	1165.
875.91	1076.	955.6	1020.	1552.	1236.	1638.	1167.
877.89	1079.	958.2	1020.	1557.	1238.	1648.	1172.

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	-----DEGREES FAHRENHEIT-----						
879.88	1081.	958.2	1022.	1562.	1238.	1659.	1172.
881.88	1084.	958.2	1022.	1570.	1241.	1672.	1172.
883.88	1084.	958.2	1022.	1578.	1246.	1685.	1177.
885.88	1088.	960.7	1025.	1586.	1246.	1696.	1175.
887.88	1097.	963.2	1025.	1591.	1249.	1710.	1177.
889.83	1098.	965.7	1027.	1599.	1249.	1723.	1180.
891.82	1102.	965.7	1030.	1607.	1251.	1734.	1188.
893.82	1107.	965.7	1030.	1615.	1256.	1745.	1188.
895.80	1108.	968.3	1035.	1623.	1256.	1754.	1198.
897.78	1117.	970.8	1037.	1634.	1261.	1768.	1193.
899.78	1122.	973.3	1040.	1641.	1264.	1779.	1198.
905.75	1138.	980.9	1048.	1668.	1274.	1806.	1208.
911.72	1157.	991.0	1058.	1694.	1289.	1834.	1221.
917.69	1164.	996.0	1065.	1716.	1302.	1850.	1234.
923.65	1174.	1006.	1073.	1735.	1315.	1867.	1247.
929.62	1188.	1016.	1083.	1755.	1331.	1878.	1259.
935.59	1202.	1026.	1091.	1771.	1344.	1892.	1275.
941.56	1208.	1035.	1098.	1785.	1357.	1900.	1290.
947.52	1222.	1047.	1109.	1799.	1371.	1906.	1300.
953.49	1227.	1057.	1116.	1812.	1381.	1917.	1308.
959.46	1235.	1067.	1121.	1823.	1394.	1920.	1321.
965.43	1247.	1074.	1129.	1832.	1405.	1917.	1329.
971.40	1245.	1079.	1137.	1840.	1413.	1917.	1337.
977.37	1250.	1089.	1139.	1843.	1421.	1911.	1348.
983.34	1253.	1094.	1147.	1848.	1428.	1906.	1356.
989.31	1261.	1105.	1150.	1851.	1436.	1900.	1358.
995.28	1258.	1107.	1152.	1851.	1444.	1897.	1366.
1001.25	1261.	1115.	1157.	1851.	1447.	1892.	1369.
1007.22	1261.	1117.	1160.	1851.	1455.	1889.	1374.
1013.19	1263.	1120.	1162.	1848.	1455.	1881.	1374.
1019.16	1263.	1123.	1162.	1851.	1460.	1881.	1380.
1029.00	1268.	1135.	1173.	1835.	1463.	1850.	1385.
1078.84	1271.	1145.	1175.	1821.	1465.	1842.	1387.
1108.68	1278.	1158.	1188.	1821.	1468.	1834.	1390.
1138.53	1288.	1163.	1193.	1815.	1473.	1834.	1395.
1148.38	1294.	1171.	1201.	1821.	1478.	1845.	1401.
1158.22	1318.	1189.	1219.	1840.	1492.	1881.	1416.
1228.06	1341.	1212.	1242.	1873.	1513.	1923.	1435.
1257.90	1370.	1235.	1267.	1909.	1536.	1966.	1461.
1297.75	1397.	1263.	1293.	1943.	1560.	2003.	1488.

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	-----DEGREES FAHRENHEIT-----						
1317.60	1426.	1291.	1322.	1978.	1589.	2034.	1517.
1347.44	1450.	1314.	1346.	2000.	1615.	2054.	1543.
1377.28	1468.	1341.	1369.	2020.	1634.	2068.	1564.
1407.12	1489.	1362.	1388.	2040.	1655.	2077.	1583.
1436.97	1508.	1383.	1406.	2049.	1668.	2085.	1598.
1440.96	1508.	1385.	1406.	2051.	1670.	2082.	1601.
1455.87	1521.	1396.	1419.	2057.	1681.	2105.	1609.
1470.79	1531.	1406.	1448.	2063.	1686.	2117.	1620.
1485.72	1547.	1427.	1478.	2066.	1694.	2126.	1633.
1500.63	1558.	1443.	1501.	2071.	1702.	2132.	1643.
1515.57	1568.	1459.	1520.	2077.	1710.	2141.	1654.
1530.48	1582.	1472.	1538.	2080.	1719.	2147.	1659.
1545.40	1592.	1485.	1554.	2086.	1724.	2150.	1670.
1560.33	1597.	1496.	1562.	2091.	1732.	2156.	1678.
1590.18	1619.	1517.	1580.	2103.	1746.	2159.	1691.
1620.01	1620.	1538.	1599.	2115.	1763.	2165.	1707.
1649.85	1637.	1548.	1607.	2109.	1768.	2156.	1712.
1679.70	1637.	1548.	1607.	2106.	1768.	2150.	1718.
1709.55	1629.	1545.	1604.	2097.	1765.	2129.	1712.
1739.40	1621.	1538.	1594.	2077.	1754.	2094.	1704.
1769.23	1605.	1524.	1578.	2051.	1741.	2051.	1688.
1799.07	1582.	1509.	1554.	2012.	1719.	2000.	1664.
1828.92	1555.	1485.	1525.	1963.	1694.	1929.	1641.
1858.77	1518.	1456.	1485.	1904.	1665.	1853.	1612.
1888.62	1487.	1427.	1451.	1848.	1639.	1784.	1580.
1918.45	1450.	1393.	1412.	1785.	1602.	1710.	1546.
1948.29	1410.	1359.	1369.	1721.	1565.	1625.	1506.
1978.14	1362.	1317.	1322.	1644.	1515.	1538.	1461.
2007.99	1318.	1276.	1275.	1562.	1465.	1448.	1414.
2037.84	1263.	1230.	1224.	1478.	1413.	1364.	1364.
2067.67	1207.	1174.	1155.	1394.	1350.	1282.	1303.
2097.51	1135.	1105.	1081.	1299.	1279.	1203.	1241.
2127.36	1061.	1036.	1012.	1192.	1197.	1111.	1167.
2157.21	979.9	965.7	943.7	1067.	1103.	1002.	1088.
2187.06	919.0	910.2	882.6	942.5	1012.	897.8	1009.
2216.89	867.8	866.9	836.4	843.1	928.6	815.7	935.8
2246.73	824.2	828.5	795.4	763.7	857.3	746.4	872.1

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TEMPERATURE DATA

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TOLERANCE FOR ALL OTHER THERMOCOUPLES - $\pm 65^{\circ}\text{F}$.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
449.13	1541.	1606.	1855.	1870.	1833.	1373.	1629.
478.98	1454.	1521.	1751.	1763.	1733.	1287.	1535.
508.83	1356.	1424.	1645.	1656.	1627.	1203.	1435.
538.67	1301.	1380.	1578.	1580.	1559.	1170.	1390.
568.51	1265.	1344.	1552.	1550.	1533.	1152.	1368.
598.35	1287.	1353.	1556.	1554.	1542.	1180.	1395.
628.20	1365.	1442.	1637.	1644.	1614.	1282.	1501.
658.05	1563.	1670.	1859.	1858.	1829.	1480.	1684.
687.89	1661.	1772.	1982.	1974.	1938.	1541.	1770.
717.73	1686.	1789.	2010.	2002.	1969.	1545.	1778.
747.57	1716.	1809.	2029.	2029.	1989.	1444.	1659.
777.42	1708.	1809.	2025.	2029.	1993.	1378.	1561.
807.27	1716.	1809.	2029.	2029.	1993.	1382.	1565.
810.24	1716.	1809.	2025.	2029.	1989.	1373.	1565.
816.21	1708.	1801.	2021.	2029.	1989.	1382.	1565.
822.18	1703.	1797.	2017.	2021.	1985.	1382.	1561.
828.15	1686.	1785.	2006.	2006.	1973.	1323.	1493.
834.12	1631.	1721.	1959.	1951.	1926.	1301.	1444.
836.11	1605.	1700.	1947.	1923.	1898.	1346.	1510.
838.11	1601.	1691.	1924.	1903.	1882.	1337.	1501.
840.09	1593.	1683.	1924.	1899.	1878.	1319.	1466.
842.08	1627.	1725.	1943.	1935.	1906.	1342.	1497.
844.08	1635.	1734.	1955.	1951.	1922.	1364.	1514.
846.06	1644.	1742.	1963.	1959.	1934.	1364.	1514.
848.04	1661.	1759.	1970.	1970.	1938.	1360.	1523.
850.04	1660.	1776.	1982.	1970.	1946.	1378.	1535.
852.03	1678.	1785.	1990.	1974.	1954.	1382.	1535.
854.01	1686.	1793.	2002.	1990.	1958.	1409.	1561.
856.01	1703.	1818.	2021.	2002.	1969.	1506.	1659.
858.00	1725.	1850.	2049.	2021.	1989.	1562.	1740.
859.98	1797.	1931.	2119.	2080.	2051.	1617.	1791.
861.98	1887.	2025.	2205.	2170.	2126.	1668.	1844.
863.97	1963.	2107.	2275.	2253.	2200.	1711.	1889.
865.95	2014.	2166.	2341.	2316.	2263.	1737.	1917.
867.95	2040.	2193.	2384.	2351.	2298.	1737.	1921.
869.94	2073.	2209.	2404.	2374.	2317.	1762.	1949.
871.92	2096.	2232.	2431.	2390.	2341.	1771.	1972.
873.91	2100.	2229.	2443.	2410.	2352.	1783.	1976.
875.91	2112.	2244.	2466.	2422.	2376.	1804.	1996.
877.89	2135.	2264.	2490.	2441.	2388.	1841.	2031.

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	-----DEGREES FAHRENHEIT-----						
99.99-	317.8	331.3	368.9	393.3	386.7	317.7	398.9
85.08-	317.8	324.3	368.9	393.3	386.7	317.7	387.2
70.15-	364.1	381.1	415.5	440.1	439.2	338.7	404.7
55.23-	381.6	398.6	438.8	463.5	462.6	358.1	439.8
40.31-	387.5	416.1	450.4	475.2	474.2	363.9	445.6
25.38-	393.3	427.7	467.9	498.6	497.5	381.5	474.8
10.47-	416.7	439.4	479.5	510.3	503.4	375.6	457.3
4.46	399.2	415.1	473.7	498.6	497.5	381.5	474.8
19.38	387.5	416.1	473.7	498.6	497.5	404.9	498.2
34.30	375.8	392.7	456.2	486.9	485.9	369.8	463.1
49.23	399.2	421.9	479.5	516.2	503.4	381.5	474.8
64.14	434.3	462.8	508.6	557.1	544.2	404.9	498.2
79.07	399.2	427.7	491.1	527.9	520.9	381.5	474.8
93.99	399.2	421.9	491.1	522.0	520.9	440.0	533.3
108.91	399.2	416.1	479.5	504.5	509.2	387.3	486.5
123.84	422.6	445.2	502.8	533.7	538.4	451.6	556.6
138.75	463.6	503.6	555.2	598.1	596.7	445.8	539.1
150.69	457.7	486.1	561.0	586.4	579.2	445.8	539.1
156.66	586.5	645.1	681.1	726.1	708.5	533.5	629.7
162.63	688.9	777.9	802.8	856.3	829.0	646.0	762.7
168.60	790.2	890.0	913.4	977.6	939.9	736.5	880.7
174.57	861.4	975.7	1013.	1075.	1034.	810.5	956.5
180.54	942.3	1044.	1095.	1157.	1121.	891.3	1041.
186.51	998.0	1107.	1180.	1246.	1201.	941.8	1113.
192.48	1076.	1183.	1269.	1333.	1279.	1007.	1160.
198.45	1138.	1262.	1355.	1414.	1361.	1075.	1245.
204.42	1232.	1362.	1475.	1516.	1468.	1152.	1327.
210.39	1310.	1442.	1569.	1601.	1554.	1278.	1461.
225.30	1554.	1687.	1855.	1858.	1812.	1476.	1676.
240.23	1750.	1903.	2099.	2092.	2028.	1677.	1893.
255.15	1963.	2123.	2322.	2300.	2231.	1910.	2137.
270.07	2186.	2338.	2556.	2527.	2454.	2079.	2301.
285.00	2300.	2444.	2674.	2657.	2583.	2107.	2368.
299.91	2371.	2506.	2740.	2728.	2650.	2154.	2411.
314.84	2328.	2456.	2689.	2681.	2611.	2107.	2372.
329.76	2296.	2416.	2658.	2657.	2583.	2095.	2364.
344.68	2210.	2303.	2556.	2563.	2493.	1981.	2247.
359.61	2108.	2209.	2454.	2461.	2399.	1910.	2184.
389.45	1935.	2013.	2263.	2280.	2220.	1732.	2004.
419.29	1738.	1813.	2049.	2061.	2016.	1553.	1828.

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	-----DEGREES FAHRENHEIT-----						
879.88	2175.	2299.	2521.	2484.	2427.	1845.	2043.
881.88	2210.	2338.	2546.	2516.	2462.	1841.	2027.
883.86	2230.	2362.	2583.	2539.	2485.	1861.	2070.
885.85	2248.	2381.	2607.	2567.	2509.	1869.	2070.
887.85	2253.	2385.	2623.	2578.	2521.	1845.	2066.
889.83	2277.	2405.	2630.	2586.	2532.	1857.	2070.
891.82	2288.	2416.	2634.	2602.	2536.	1845.	2066.
893.82	2284.	2409.	2646.	2610.	2548.	1841.	2066.
895.80	2296.	2416.	2654.	2622.	2560.	1853.	2066.
897.78	2304.	2416.	2658.	2630.	2571.	1853.	2066.
899.78	2304.	2420.	2658.	2642.	2564.	1853.	2066.
905.75	2308.	2416.	2666.	2642.	2575.	1841.	2078.
911.72	2332.	2444.	2670.	2650.	2575.	1829.	2055.
917.69	2308.	2420.	2666.	2646.	2579.	1824.	2055.
923.65	2296.	2405.	2646.	2622.	2560.	1812.	2043.
929.62	2260.	2377.	2630.	2602.	2544.	1829.	2047.
935.59	2257.	2358.	2589.	2578.	2517.	1833.	2051.
941.56	2237.	2362.	2601.	2563.	2513.	1845.	2059.
947.52	2226.	2334.	2579.	2563.	2505.	1820.	2035.
953.49	2253.	2362.	2607.	2586.	2524.	1837.	2043.
959.46	2226.	2326.	2572.	2563.	2497.	1816.	2027.
965.43	2214.	2299.	2552.	2543.	2481.	1771.	1980.
971.40	2186.	2272.	2529.	2512.	2458.	1737.	1957.
977.37	2155.	2244.	2490.	2473.	2419.	1711.	1913.
983.34	2120.	2209.	2470.	2445.	2399.	1690.	1901.
989.31	2092.	2170.	2419.	2402.	2360.	1711.	1921.
995.28	2104.	2193.	2427.	2410.	2360.	1690.	1897.
1001.25	2092.	2166.	2412.	2402.	2352.	1677.	1880.
1007.22	2065.	2154.	2396.	2374.	2337.	1664.	1880.
1013.19	2069.	2158.	2388.	2382.	2337.	1664.	1872.
1019.16	2057.	2139.	2380.	2374.	2325.	1643.	1860.
1049.00	2045.	2115.	2361.	2351.	2306.	1622.	1836.
1078.84	2022.	2096.	2333.	2320.	2278.	1626.	1860.
1108.68	1990.	2072.	2298.	2304.	2255.	1622.	1844.
1138.53	2002.	2103.	2322.	2316.	2263.	1643.	1868.
1168.38	2057.	2154.	2380.	2363.	2317.	1685.	1901.
1198.22	2127.	2229.	2448.	2449.	2388.	1758.	1988.
1228.06	2186.	2299.	2529.	2508.	2450.	1853.	2070.
1257.90	2249.	2346.	2583.	2567.	2509.	1906.	2145.
1287.75	2277.	2381.	2619.	2606.	2544.	1922.	2145.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
99.99-	381.8	370.1	350.3	404.8
85.0A-	364.3	381.8	358.6	416.5
70.15-	417.0	417.0	382.1	428.2
55.23-	422.9	417.0	393.8	439.9
40.31-	428.7	428.7	417.3	457.4
25.38-	446.3	440.4	423.2	475.0
10.47-	458.0	446.3	440.8	486.7
4.46	458.0	452.1	452.5	498.4
19.3A	469.7	469.7	470.1	521.8
34.30	440.4	463.9	481.8	521.8
49.23	452.2	487.3	487.7	527.6
64.14	481.5	510.7	490.4	556.8
79.07	487.3	481.4	505.3	562.7
93.99	493.2	487.3	517.1	574.4
108.91	499.0	475.6	517.1	586.1
123.84	499.0	499.0	517.1	597.8
138.75	516.6	528.3	540.5	603.3
150.69	557.6	557.6	540.5	613.9
156.66	678.8	694.8	564.0	624.6
162.63	780.2	796.1	615.3	667.2
168.60	877.4	877.3	668.7	715.1
174.57	968.5	963.4	738.1	779.0
180.54	1062.	1047.	817.3	855.8
186.51	1158.	1139.	898.4	926.5
192.48	1247.	1233.	989.6	1012.
198.45	1344.	1316.	1092.	1089.
204.42	1460.	1455.	1201.	1170.
210.39	1568.	1551.	1317.	1264.
225.30	1856.	1807.	1613.	1511.
240.23	2102.	2070.	1894.	1758.
255.15	2361.	2306.	2155.	1997.
270.07	2581.	2514.	2387.	2212.
285.00	2633.	2585.	2474.	2334.
299.91	2680.	2621.	2529.	2404.
314.84	2652.	2593.	2509.	2420.
329.76	2605.	2558.	2467.	2404.
344.6A	2507.	2451.	2419.	2349.
359.61	2416.	2361.	2340.	2287.
389.45	2224.	2173.	2167.	2150.
419.29	2015.	1972.	1990.	1997.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1317.60	2304.	2409.	2446.	2630.	2571.	1930.	2137.
1347.44	2312.	2416.	2448.	2650.	2579.	1914.	2133.
1377.28	2335.	2436.	2481.	2665.	2603.	1910.	2137.
1407.12	2335.	2432.	2474.	2661.	2595.	1902.	2137.
1436.97	2332.	2432.	2466.	2653.	2591.	1926.	2145.
1440.96	2335.	2440.	2474.	2665.	2599.	2013.	2247.
1455.87	2375.	2471.	2701.	2713.	2638.	2154.	2419.
1470.79	2394.	2495.	2725.	2725.	2654.	2162.	2407.
1485.72	2390.	2487.	2733.	2728.	2662.	2169.	2411.
1500.63	2390.	2495.	2729.	2736.	2662.	2162.	2403.
1515.57	2390.	2495.	2733.	2736.	2662.	2166.	2403.
1530.48	2383.	2479.	2725.	2736.	2658.	2154.	2403.
1545.40	2383.	2483.	2729.	2732.	2658.	2169.	2403.
1560.33	2383.	2479.	2725.	2736.	2658.	2154.	2384.
1590.18	2383.	2487.	2725.	2736.	2658.	2162.	2403.
1620.01	2351.	2448.	2649.	2697.	2626.	2134.	2372.
1649.85	2328.	2428.	2670.	2677.	2607.	2118.	2356.
1679.70	2304.	2405.	2654.	2657.	2583.	2091.	2321.
1709.55	2273.	2362.	2607.	2614.	2548.	2040.	2270.
1739.40	2226.	2303.	2548.	2563.	2497.	1989.	2223.
1769.23	2131.	2201.	2443.	2465.	2403.	1886.	2109.
1799.07	2014.	2072.	2310.	2335.	2278.	1749.	1976.
1828.92	1866.	1919.	2162.	2178.	2133.	1639.	1856.
1858.77	1750.	1793.	2025.	2053.	2012.	1515.	1727.
1888.62	1618.	1649.	1901.	1911.	1882.	1378.	1574.
1918.45	1432.	1455.	1644.	1703.	1699.	1199.	1386.
1948.29	1218.	1243.	1466.	1485.	1486.	1056.	1207.
1978.14	1027.	1015.	1246.	1274.	1279.	861.0	1007.
2007.99	836.2	824.4	1013.	1046.	1073.	656.6	805.0
2037.84	568.9	538.6	707.6	752.8	772.2	428.3	556.6
2067.67	405.0	369.4	497.0	522.0	561.7	289.8	404.7
2097.51	296.9	261.6	363.1	393.3	439.2	233.9	331.6
2127.36	226.9	205.8	282.2	303.8	345.1	184.9	275.7
2157.21	233.9	205.8	261.3	275.9	310.3	184.9	261.7
2187.06	226.9	198.8	247.4	261.9	289.4	177.9	247.8
2216.89	212.9	184.9	226.5	240.9	275.4	164.0	226.8
2246.73	198.9	177.9	212.6	219.9	254.5	150.0	212.8

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
449.13	1823.	1782.	1812.	1853.
478.98	1726.	1666.	1698.	1758.
508.83	1637.	1564.	1601.	1664.
538.67	1577.	1509.	1536.	1591.
568.51	1538.	1473.	1493.	1557.
598.35	1538.	1500.	1501.	1562.
628.20	1590.	1560.	1553.	1583.
658.05	1803.	1798.	1732.	1723.
687.89	1933.	1892.	1857.	1840.
717.73	1976.	1925.	1886.	1902.
747.57	1960.	1937.	1874.	1918.
777.42	1988.	1937.	1866.	1918.
807.27	1992.	1941.	1874.	1922.
810.24	1992.	1937.	1874.	1926.
816.21	1980.	1941.	1866.	1926.
822.18	1984.	1937.	1862.	1926.
828.15	1976.	1901.	1857.	1934.
834.12	2015.	1831.	1812.	1934.
836.11	2023.	1802.	1804.	1934.
838.11	2043.	1773.	1792.	1942.
840.09	2051.	1777.	1784.	1946.
842.08	2055.	1802.	1779.	1950.
844.08	2043.	1815.	1779.	1953.
846.06	2043.	1815.	1775.	1950.
848.04	2043.	1807.	1779.	1953.
850.04	2055.	1811.	1779.	1961.
852.03	2067.	1819.	1775.	1961.
854.01	2067.	1831.	1784.	1965.
856.01	2094.	1856.	1792.	1965.
858.00	2161.	1884.	1808.	1973.
859.98	2255.	1937.	1833.	1997.
861.98	2338.	2000.	1874.	2032.
863.97	2400.	2059.	1915.	2067.
865.95	2455.	2110.	1954.	2110.
867.95	2483.	2133.	1994.	2150.
869.94	2514.	2153.	2021.	2189.
871.92	2542.	2161.	2053.	2224.
873.91	2554.	2180.	2076.	2248.
875.91	2560.	2196.	2096.	2271.
877.89	2605.	2212.	2112.	2295.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
879.88	2637.	2235.	2128.	2322.
881.88	2660.	2251.	2155.	2346.
883.86	2684.	2279.	2175.	2365.
885.85	2708.	2290.	2190.	2381.
887.85	2731.	2298.	2202.	2404.
889.83	2731.	2298.	2214.	2420.
891.82	2731.	2298.	2218.	2432.
893.82	2739.	2294.	2226.	2444.
895.80	2743.	2306.	2230.	2451.
897.78	2735.	2306.	2230.	2463.
899.78	2727.	2306.	2234.	2471.
905.75	2731.	2310.	2234.	2471.
911.72	2747.	2306.	2238.	2483.
917.69	2731.	2294.	2234.	2487.
923.65	2724.	2283.	2230.	2491.
929.62	2727.	2271.	2218.	2483.
935.59	2727.	2267.	2222.	2498.
941.56	2730.	2271.	2222.	2498.
947.52	2716.	2267.	2222.	2498.
953.49	2724.	2286.	2230.	2498.
959.46	2700.	2251.	2230.	2491.
965.43	2660.	2228.	2194.	2471.
971.40	2633.	2204.	2167.	2447.
977.37	2609.	2161.	2151.	2436.
983.34	2593.	2141.	2120.	2412.
989.31	2569.	2118.	2112.	2400.
995.28	2581.	2125.	2096.	2393.
1001.25	2542.	2121.	2096.	2385.
1007.22	2530.	2098.	2076.	2373.
1013.19	2522.	2094.	2068.	2361.
1019.16	2503.	2082.	2061.	2349.
1049.00	2428.	2055.	2021.	2302.
1078.84	2412.	2031.	2013.	2287.
1108.68	2412.	2039.	2013.	2283.
1138.53	2448.	2059.	2025.	2298.
1168.38	2491.	2098.	2045.	2322.
1198.22	2554.	2173.	2116.	2381.
1228.06	2620.	2235.	2190.	2440.
1257.90	2684.	2310.	2257.	2491.
1287.75	2727.	2345.	2289.	2530.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
1317.60	2727.	2349.	2305.	2545.
1347.44	2724.	2353.	2297.	2553.
1377.28	2730.	2349.	2293.	2561.
1407.12	2735.	2345.	2295.	2561.
1436.97	2727.	2341.	2281.	2561.
1440.96	2735.	2361.	2301.	2561.
1455.87	2652.	2534.	2438.	2542.
1470.79	2648.	2597.	2533.	2545.
1485.72	2652.	2621.	2544.	2553.
1500.63	2652.	2621.	2548.	2553.
1515.57	2648.	2617.	2552.	2557.
1530.48	2648.	2609.	2548.	2553.
1545.40	2652.	2625.	2552.	2553.
1540.33	2648.	2621.	2548.	2557.
1590.18	2644.	2621.	2548.	2561.
1620.01	2648.	2589.	2529.	2549.
1649.85	2617.	2573.	2517.	2538.
1679.70	2580.	2550.	2489.	2514.
1709.55	2534.	2503.	2450.	2479.
1739.40	2487.	2448.	2399.	2444.
1769.23	2385.	2345.	2316.	2369.
1799.07	2270.	2220.	2206.	2291.
1828.92	2120.	2082.	2080.	2185.
1858.77	1984.	1953.	1954.	2071.
1888.62	1810.	1798.	1808.	1957.
1918.45	1628.	1590.	1442.	1820.
1948.29	1433.	1402.	1475.	1672.
1978.14	1181.	1181.	1281.	1511.
2007.99	983.6	917.8	1082.	1355.
2037.84	796.2	636.1	862.9	1212.
2047.67	641.4	428.7	643.4	1046.
2097.51	499.0	318.0	517.1	881.1
2127.36	364.3	248.0	417.3	731.1
2157.21	346.0	227.0	364.5	619.3
2187.06	318.0	220.0	332.3	556.8
2216.89	290.0	213.0	318.3	492.5
2246.73	262.0	192.0	290.2	445.8

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
09.99-	267.7	269.5	254.5	288.6	264.6	277.9	233.6
85.08-	272.9	269.5	257.1	307.6	280.3	294.1	241.5
70.15-	278.1	272.1	265.0	326.6	291.1	307.7	254.5
55.23-	280.8	272.1	265.0	342.8	304.7	318.5	259.7
40.31-	283.5	272.1	270.2	353.7	312.8	329.4	267.6
25.38-	288.9	272.1	275.4	361.8	323.6	337.5	275.4
10.47-	291.6	274.7	280.7	372.7	329.1	340.3	283.4
4.46	294.4	274.7	286.1	378.0	334.5	348.4	291.6
19.38	297.1	277.3	291.6	388.7	342.6	356.5	294.3
34.30	299.8	279.9	297.0	404.8	348.0	367.4	302.4
49.23	305.2	285.2	302.4	420.9	361.6	378.2	307.9
64.14	310.7	287.9	307.9	436.9	372.4	391.6	318.7
79.07	318.8	290.7	314.7	453.0	383.1	407.6	326.9
93.99	327.0	296.1	321.5	471.7	393.8	421.0	337.8
108.91	335.2	301.5	329.6	484.9	407.2	434.4	345.9
123.84	346.0	306.9	337.8	506.0	423.2	450.5	362.2
138.75	354.2	312.3	345.9	516.5	433.9	466.6	373.1
150.69	362.4	317.7	348.6	527.0	444.6	474.6	378.4
156.66	362.4	317.7	354.1	532.3	450.0	479.8	383.8
162.63	365.1	320.4	354.1	532.3	452.7	485.1	386.5
168.60	367.8	323.1	359.5	537.6	455.3	493.0	389.2
174.57	373.2	323.1	362.2	542.8	460.7	503.6	394.5
180.54	373.2	325.8	364.9	550.7	463.4	516.7	399.9
186.51	375.9	325.8	370.4	561.2	468.7	532.6	402.6
192.48	381.2	331.2	373.1	576.6	474.0	553.6	407.9
198.45	383.9	331.2	378.4	594.6	479.2	576.9	410.6
204.42	389.3	333.9	383.8	615.1	481.9	605.1	416.0
210.39	397.4	336.6	391.8	640.7	489.8	638.4	421.4
225.30	416.1	344.7	416.0	720.1	510.8	743.6	437.5
240.23	451.0	358.2	448.2	830.3	542.4	887.2	464.3
255.15	501.5	374.3	501.3	970.4	586.4	1065.	501.3
270.07	572.5	395.7	574.8	1125.	642.7	1266.	554.1
285.00	662.4	427.7	662.1	1276.	711.8	1450.	626.1
299.91	760.0	475.6	754.5	1410.	796.3	1606.	713.4
314.84	852.4	533.3	841.8	1518.	891.0	1706.	811.0
329.76	929.1	608.0	910.9	1599.	982.1	1772.	908.4
344.68	987.5	684.5	969.3	1655.	1063.	1797.	992.1
359.61	1023.	756.0	1007.	1684.	1124.	1792.	1058.
389.45	1051.	858.0	1045.	1694.	1203.	1739.	1132.
419.29	1046.	903.9	1045.	1660.	1231.	1658.	1155.

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
449.13	1020.	911.5	1020.	1605.	1224.	1566.	1147.
478.98	987.5	896.3	979.4	1539.	1201.	1484.	1117.
508.83	952.0	875.9	943.9	1483.	1170.	1410.	1086.
538.67	919.0	845.3	905.9	1418.	1134.	1347.	1053.
568.51	891.0	819.7	875.1	1370.	1098.	1300.	1020.
598.35	875.6	801.9	854.6	1341.	1073.	1277.	997.2
628.20	875.6	796.8	849.5	1333.	1068.	1284.	989.6
658.05	880.7	791.7	857.2	1352.	1066.	1326.	987.0
687.89	906.3	801.9	885.4	1402.	1078.	1397.	1002.
717.73	939.3	822.3	918.6	1457.	1106.	1453.	1028.
747.57	972.3	852.9	940.0	1499.	1139.	1487.	1058.
777.42	987.5	870.8	969.3	1515.	1162.	1500.	1083.
807.27	1008.	891.2	987.0	1536.	1185.	1516.	1104.
810.24	1010.	896.3	989.6	1536.	1185.	1516.	1104.
816.21	1013.	898.8	992.1	1539.	1188.	1519.	1109.
822.18	1015.	903.9	994.6	1541.	1190.	1521.	1114.
828.15	1020.	908.9	997.2	1547.	1195.	1521.	1117.
834.12	1023.	914.0	1002.	1552.	1201.	1521.	1122.
836.11	1026.	914.0	999.7	1552.	1203.	1521.	1122.
838.11	1026.	916.5	1002.	1552.	1203.	1521.	1122.
840.09	1028.	916.5	999.7	1552.	1206.	1521.	1124.
842.08	1026.	916.5	999.7	1555.	1206.	1521.	1124.
844.08	1028.	916.5	1002.	1557.	1208.	1521.	1127.
846.06	1031.	919.0	1002.	1557.	1208.	1524.	1124.
848.04	1036.	921.5	1002.	1557.	1211.	1524.	1129.
850.04	1036.	924.1	1002.	1560.	1211.	1526.	1132.
852.03	1036.	924.1	999.7	1557.	1213.	1526.	1132.
854.01	1036.	924.1	999.7	1562.	1213.	1532.	1137.
856.01	1038.	926.6	1002.	1562.	1213.	1532.	1132.
858.00	1038.	929.1	999.7	1565.	1218.	1534.	1137.
859.98	1038.	929.1	999.7	1565.	1216.	1540.	1137.
861.98	1041.	929.1	999.7	1570.	1221.	1553.	1137.
863.97	1041.	929.1	999.7	1573.	1221.	1558.	1140.
865.95	1043.	929.1	999.7	1578.	1221.	1569.	1140.
867.95	1048.	929.1	1002.	1583.	1221.	1577.	1140.
869.94	1048.	931.6	1002.	1589.	1224.	1590.	1142.
871.92	1051.	934.1	1002.	1591.	1224.	1600.	1142.
873.91	1053.	934.1	1002.	1597.	1229.	1611.	1147.
875.91	1056.	939.2	1005.	1607.	1229.	1621.	1147.
877.89	1061.	939.2	1005.	1615.	1234.	1632.	1147.

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
-----DEGREES FAHRENHEIT-----							
879.88	1064.	939.2	1007.	1623.	1236.	1645.	1152.
881.88	1069.	941.7	1007.	1628.	1236.	1658.	1155.
883.86	1071.	941.7	1010.	1641.	1239.	1669.	1155.
885.85	1074.	944.2	1012.	1647.	1241.	1685.	1158.
887.85	1081.	946.7	1012.	1657.	1247.	1698.	1160.
889.83	1086.	949.3	1015.	1668.	1249.	1709.	1163.
891.82	1092.	951.8	1020.	1673.	1249.	1723.	1165.
893.82	1097.	954.3	1020.	1684.	1254.	1736.	1170.
895.80	1099.	954.3	1020.	1694.	1259.	1747.	1173.
897.78	1104.	956.8	1028.	1699.	1262.	1758.	1175.
899.78	1112.	959.3	1030.	1710.	1267.	1767.	1181.
905.75	1125.	969.4	1038.	1738.	1280.	1797.	1196.
911.72	1143.	979.5	1048.	1763.	1293.	1822.	1206.
917.69	1150.	984.5	1055.	1785.	1308.	1841.	1219.
923.65	1166.	994.6	1063.	1804.	1319.	1858.	1234.
929.62	1176.	1005.	1071.	1821.	1334.	1872.	1245.
935.59	1189.	1015.	1081.	1832.	1350.	1883.	1263.
941.56	1199.	1025.	1088.	1848.	1361.	1891.	1275.
947.52	1207.	1035.	1096.	1862.	1377.	1896.	1291.
953.49	1197.	1045.	1104.	1870.	1384.	1905.	1301.
959.46	1227.	1055.	1111.	1884.	1398.	1911.	1309.
965.43	1235.	1065.	1119.	1890.	1408.	1911.	1320.
971.40	1240.	1070.	1124.	1895.	1416.	1911.	1330.
977.37	1243.	1078.	1129.	1898.	1424.	1905.	1338.
983.34	1204.	1083.	1132.	1898.	1432.	1899.	1343.
989.31	1248.	1090.	1137.	1898.	1437.	1894.	1351.
995.28	1250.	1095.	1137.	1898.	1442.	1888.	1354.
1001.25	1250.	1098.	1140.	1898.	1448.	1883.	1357.
1007.22	1253.	1103.	1145.	1895.	1453.	1880.	1362.
1013.19	1253.	1108.	1147.	1892.	1456.	1872.	1364.
1019.16	1253.	1111.	1147.	1890.	1456.	1869.	1370.
1049.00	1258.	1123.	1152.	1876.	1463.	1849.	1375.
1078.84	1261.	1131.	1158.	1862.	1463.	1830.	1375.
1108.68	1266.	1141.	1163.	1851.	1463.	1822.	1378.
1138.53	1276.	1149.	1173.	1854.	1469.	1825.	1383.
1168.38	1284.	1157.	1188.	1862.	1477.	1838.	1391.
1198.22	1304.	1174.	1199.	1887.	1490.	1872.	1404.
1228.06	1328.	1195.	1224.	1915.	1508.	1916.	1423.
1257.90	1357.	1220.	1252.	1952.	1534.	1962.	1452.
1287.75	1392.	1251.	1281.	1992.	1563.	2002.	1486.

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	T-17	T-18	T-19	T-20	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----						
1317.60	1418.	1276.	1309.	2023.	1590.	2030.	1510.
1347.44	1442.	1304.	1330.	2046.	1616.	2047.	1539.
1377.28	1463.	1328.	1354.	2063.	1640.	2061.	1557.
1407.12	1470.	1346.	1370.	2074.	1650.	2067.	1576.
1436.97	1495.	1365.	1393.	2086.	1666.	2076.	1589.
1440.96	1495.	1367.	1388.	2086.	1666.	2081.	1591.
1455.87	1505.	1375.	1401.	2091.	1671.	2095.	1597.
1470.79	1518.	1391.	1430.	2094.	1679.	2116.	1607.
1485.72	1537.	1407.	1462.	2103.	1692.	2125.	1618.
1500.63	1550.	1428.	1491.	2106.	1698.	2131.	1634.
1515.57	1564.	1443.	1512.	2115.	1708.	2143.	1644.
1530.48	1574.	1462.	1528.	2121.	1714.	2146.	1652.
1545.40	1584.	1475.	1541.	2124.	1722.	2149.	1663.
1560.33	1592.	1485.	1554.	2127.	1731.	2152.	1671.
1590.18	1609.	1506.	1573.	2139.	1747.	2164.	1686.
1620.01	1614.	1517.	1586.	2145.	1755.	2161.	1697.
1649.85	1621.	1530.	1594.	2139.	1761.	2155.	1702.
1679.70	1621.	1530.	1604.	2133.	1758.	2146.	1700.
1709.55	1613.	1525.	1601.	2118.	1755.	2125.	1697.
1739.40	1609.	1522.	1581.	2103.	1747.	2104.	1689.
1769.25	1592.	1509.	1568.	2074.	1736.	2061.	1681.
1799.07	1574.	1498.	1547.	2037.	1720.	2004.	1665.
1828.92	1547.	1477.	1512.	1989.	1698.	1939.	1644.
1858.77	1513.	1446.	1478.	1932.	1666.	1863.	1613.
1888.62	1470.	1417.	1438.	1870.	1640.	1794.	1581.
1918.45	1444.	1386.	1401.	1807.	1603.	1717.	1547.
1948.29	1402.	1349.	1362.	1738.	1566.	1637.	1510.
1978.14	1357.	1310.	1312.	1657.	1521.	1553.	1462.
2007.99	1315.	1269.	1260.	1573.	1469.	1468.	1417.
2037.84	1263.	1220.	1209.	1486.	1413.	1379.	1364.
2067.67	1197.	1157.	1140.	1386.	1348.	1290.	1301.
2097.51	1120.	1085.	1068.	1281.	1272.	1202.	1234.
2127.36	1046.	1017.	997.2	1166.	1185.	1110.	1158.
2157.21	969.7	951.8	929.7	1039.	1093.	1004.	1078.
2187.06	908.8	901.4	872.6	919.8	997.3	910.1	1005.
2216.89	857.6	855.5	823.8	827.7	918.9	830.7	933.8
2246.73	816.5	814.6	785.3	748.3	847.5	764.1	875.2

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLE T-17, T-18, T-19, T-20, T-21, T-22, & T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

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C-3M, C-5M, T-16, T-24

3-106-3-109

T-17, T-18, T-19, T-20, T-21, T-22, T-23

3-110-3-113

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
-----DEGREES FAHRENHEIT-----							
99.98-	324.4	338.2	380.9	398.9	398.4	324.8	392.9
85.06-	351.9	369.2	415.9	428.1	421.7	317.8	404.5
70.15-	351.9	380.9	421.7	445.6	439.2	324.8	416.2
55.21-	363.6	386.7	439.2	457.3	456.7	352.3	439.6
40.30-	369.4	398.4	450.9	469.0	456.7	381.6	457.1
25.37-	381.1	415.9	456.7	474.8	474.2	381.6	474.6
10.45-	386.9	415.9	468.4	486.5	485.9	381.6	480.5
4.46	386.9	415.9	468.4	498.2	480.1	399.1	498.0
19.40	392.7	427.6	485.9	509.9	503.4	381.6	486.3
34.31	381.1	415.9	474.2	498.2	491.7	381.6	486.3
49.24	398.6	421.7	480.0	504.0	503.4	387.4	474.6
64.16	416.1	433.4	491.7	515.7	509.2	422.5	509.6
79.07	416.1	439.2	497.5	515.7	515.1	399.1	498.0
94.01	404.4	439.2	497.5	515.7	515.1	416.7	515.5
108.92	398.6	421.7	485.9	521.6	509.2	434.3	533.0
123.85	392.7	415.9	480.0	509.9	509.2	440.1	533.0
138.77	439.4	480.1	532.5	568.3	567.5	446.0	533.0
150.71	503.6	550.0	612.9	640.3	628.9	451.8	556.4
156.68	677.0	772.2	782.8	830.3	824.0	545.4	645.3
162.65	724.8	834.1	864.3	921.1	894.6	630.2	762.3
168.62	783.3	889.5	939.9	996.9	960.0	752.8	895.4
174.59	854.7	975.2	1024.	1079.	1053.	810.8	961.0
180.55	905.1	1024.	1102.	1151.	1126.	846.2	1001.
186.52	1020.	1126.	1215.	1263.	1243.	957.4	1122.
192.49	1107.	1229.	1325.	1381.	1343.	987.7	1174.
198.46	1187.	1298.	1406.	1466.	1432.	1071.	1272.
204.42	1289.	1401.	1529.	1574.	1529.	1152.	1345.
210.39	1398.	1508.	1644.	1680.	1639.	1246.	1452.
225.32	1653.	1775.	1946.	1968.	1914.	1463.	1688.
240.23	1850.	1969.	2165.	2184.	2118.	1661.	1892.
255.16	2049.	2180.	2392.	2403.	2325.	1882.	2112.
270.08	2252.	2388.	2615.	2615.	2532.	2072.	2304.
285.00	2354.	2478.	2717.	2718.	2634.	2112.	2371.
299.93	2409.	2525.	2768.	2777.	2686.	2163.	2425.
314.84	2538.	2439.	2701.	2726.	2627.	2115.	2394.
329.77	2323.	2427.	2682.	2718.	2615.	2104.	2386.
344.69	2190.	2298.	2556.	2592.	2509.	2017.	2304.
359.61	2103.	2188.	2446.	2493.	2415.	1931.	2226.
389.45	1939.	2024.	2259.	2309.	2227.	1767.	2046.
419.30	1747.	1813.	2044.	2102.	2028.	1567.	1851.

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1317.61	2299.	2403.	2650.	2670.	2583.	1951.	2147.
1347.44	2338.	2435.	2682.	2698.	2611.	1927.	2128.
1377.29	2346.	2454.	2693.	2718.	2623.	1935.	2132.
1407.14	2342.	2439.	2682.	2714.	2619.	1923.	2128.
1436.99	2350.	2442.	2682.	2710.	2615.	1911.	2116.
1440.96	2342.	2439.	2682.	2714.	2615.	1919.	2120.
1455.89	2405.	2501.	2745.	2793.	2682.	2170.	2406.
1470.80	2362.	2458.	2713.	2761.	2658.	2178.	2386.
1485.73	2358.	2454.	2713.	2757.	2658.	2174.	2390.
1500.65	2370.	2474.	2721.	2765.	2666.	2170.	2386.
1515.57	2362.	2462.	2713.	2765.	2662.	2170.	2386.
1530.50	2366.	2478.	2721.	2765.	2666.	2170.	2390.
1545.41	2373.	2478.	2721.	2773.	2670.	2174.	2394.
1560.34	2366.	2470.	2721.	2773.	2670.	2170.	2390.
1590.18	2366.	2478.	2721.	2761.	2670.	2163.	2382.
1620.02	2350.	2458.	2705.	2753.	2658.	2163.	2378.
1649.87	2307.	2419.	2670.	2714.	2619.	2123.	2351.
1679.72	2287.	2403.	2646.	2694.	2595.	2123.	2347.
1709.56	2248.	2353.	2603.	2655.	2560.	2068.	2300.
1739.40	2205.	2310.	2544.	2603.	2509.	2010.	2245.
1769.24	2092.	2184.	2419.	2497.	2403.	1919.	2144.
1799.09	1970.	2051.	2286.	2364.	2278.	1813.	2022.
1828.94	1866.	1930.	2149.	2247.	2169.	1690.	1900.
1858.78	1755.	1817.	2024.	2117.	2048.	1575.	1777.
1888.62	1606.	1644.	1849.	1949.	1898.	1427.	1615.
1918.46	1460.	1472.	1678.	1765.	1741.	1292.	1465.
1948.31	1253.	1243.	1446.	1493.	1512.	1075.	1202.
1978.16	1006.	1005.	1215.	1231.	1289.	917.0	1074.
2008.00	777.9	756.3	955.0	931.2	1044.	688.9	860.1
2037.84	532.8	485.9	666.0	645.7	772.2	504.5	650.7
2067.68	381.1	345.1	474.2	439.8	573.4	317.8	439.6
2097.53	296.4	261.5	375.1	331.6	456.7	219.9	338.4
2127.38	233.7	212.7	296.3	254.7	369.2	178.0	275.6
2157.22	205.8	184.8	233.6	205.9	317.2	157.0	233.7
2187.06	184.9	163.9	205.7	184.9	275.4	150.0	212.8
2216.90	177.9	157.0	191.8	177.9	247.6	141.6	198.8
2246.75	177.9	150.0	184.8	177.9	247.6	141.6	184.9

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
879.89	2221.	2341.	2571.	2576.	2497.	1805.	2014.
881.88	2260.	2372.	2603.	2607.	2532.	1821.	2034.
883.88	2276.	2403.	2623.	2631.	2552.	1837.	2050.
885.86	2291.	2411.	2650.	2655.	2575.	1842.	2061.
887.85	2311.	2427.	2666.	2666.	2587.	1846.	2065.
889.85	2307.	2423.	2654.	2662.	2583.	1854.	2065.
891.83	2283.	2399.	2650.	2655.	2572.	1842.	2069.
893.82	2287.	2399.	2646.	2655.	2572.	1854.	2069.
895.82	2311.	2427.	2646.	2666.	2587.	1854.	2069.
897.80	2327.	2431.	2670.	2682.	2595.	1854.	2073.
899.78	2323.	2423.	2674.	2686.	2599.	1854.	2089.
905.75	2327.	2435.	2678.	2698.	2611.	1854.	2089.
911.72	2338.	2427.	2682.	2694.	2611.	1854.	2089.
917.69	2319.	2423.	2658.	2682.	2587.	1846.	2073.
923.66	2299.	2403.	2654.	2674.	2587.	1846.	2073.
929.63	2276.	2368.	2623.	2647.	2564.	1833.	2065.
935.60	2244.	2341.	2591.	2615.	2532.	1821.	2057.
941.57	2233.	2337.	2579.	2603.	2517.	1821.	2053.
947.54	2221.	2313.	2560.	2588.	2497.	1805.	2038.
953.51	2260.	2356.	2599.	2627.	2540.	1813.	2042.
959.48	2244.	2333.	2575.	2603.	2525.	1805.	2042.
965.45	2217.	2302.	2548.	2580.	2497.	1771.	1999.
971.42	2182.	2274.	2517.	2548.	2470.	1725.	1956.
977.39	2143.	2235.	2478.	2505.	2423.	1707.	1932.
983.36	2115.	2204.	2446.	2482.	2399.	1712.	1928.
989.33	2088.	2173.	2419.	2450.	2368.	1682.	1888.
995.30	2088.	2180.	2419.	2458.	2380.	1678.	1892.
1001.26	2088.	2169.	2419.	2458.	2376.	1703.	1904.
1007.23	2088.	2169.	2407.	2446.	2372.	1695.	1900.
1013.20	2076.	2169.	2403.	2443.	2368.	1690.	1896.
1019.17	2053.	2141.	2384.	2423.	2353.	1690.	1892.
1049.00	2049.	2130.	2372.	2411.	2337.	1639.	1839.
1078.85	2033.	2122.	2341.	2388.	2306.	1661.	1851.
1108.70	2002.	2087.	2313.	2356.	2286.	1639.	1855.
1138.55	1998.	2087.	2321.	2360.	2290.	1669.	1855.
1168.39	2068.	2165.	2392.	2427.	2353.	1682.	1879.
1198.22	2127.	2220.	2454.	2486.	2415.	1737.	1932.
1228.07	2190.	2298.	2532.	2560.	2478.	1821.	2010.
1257.92	2225.	2337.	2575.	2599.	2509.	1915.	2112.
1287.77	2260.	2360.	2607.	2619.	2540.	1927.	2116.

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TIME SEC.	3-2	7-2	7-6	3-3	7-3	3-4	7-4
	T-10	T-11	C-4M	T-12	T-13	T-14	T-15
	-----DEGREES FAHRENHEIT-----						
449.15	1555.	1622.	1849.	1917.	1853.	1369.	1641.
478.99	1447.	1512.	1733.	1791.	1729.	1301.	1552.
508.83	1353.	1424.	1635.	1684.	1639.	1199.	1470.
538.67	1294.	1361.	1576.	1625.	1584.	1171.	1425.
568.52	1262.	1325.	1537.	1587.	1542.	1129.	1381.
598.37	1285.	1361.	1571.	1604.	1576.	1161.	1398.
628.21	1371.	1450.	1656.	1693.	1661.	1237.	1465.
658.05	1598.	1695.	1894.	1941.	1886.	1432.	1658.
687.89	1674.	1775.	1985.	2031.	1977.	1507.	1769.
717.74	1700.	1800.	2024.	2062.	2001.	1528.	1777.
747.59	1700.	1796.	2016.	2070.	2012.	1445.	1701.
777.43	1725.	1825.	2036.	2090.	2024.	1356.	1560.
807.27	1708.	1804.	2024.	2078.	2012.	1356.	1573.
810.26	1704.	1808.	2024.	2090.	2016.	1356.	1573.
816.23	1700.	1804.	2024.	2090.	2016.	1360.	1564.
822.20	1708.	1808.	2016.	2082.	2024.	1356.	1577.
828.17	1666.	1767.	1989.	2043.	1985.	1301.	1501.
834.14	1606.	1686.	1934.	1980.	1930.	1278.	1416.
836.12	1640.	1733.	1977.	2004.	1954.	1338.	1478.
838.11	1640.	1746.	1958.	2004.	1954.	1333.	1487.
840.11	1623.	1720.	1946.	1984.	1934.	1338.	1513.
842.09	1615.	1720.	1938.	1980.	1934.	1356.	1530.
844.08	1640.	1771.	1958.	1996.	1946.	1356.	1530.
846.08	1649.	1754.	1961.	2008.	1958.	1351.	1526.
848.06	1657.	1754.	1973.	2012.	1958.	1347.	1522.
850.04	1657.	1763.	1969.	2012.	1962.	1342.	1518.
852.04	1657.	1758.	1977.	2012.	1965.	1342.	1513.
854.03	1662.	1771.	1985.	2023.	1969.	1356.	1518.
856.01	1725.	1825.	2028.	2070.	2016.	1392.	1547.
858.01	1797.	1906.	2102.	2129.	2087.	1454.	1620.
860.00	1883.	2001.	2200.	2215.	2165.	1563.	1735.
861.98	1966.	2091.	2274.	2294.	2235.	1622.	1810.
863.98	2025.	2149.	2341.	2356.	2290.	1673.	1859.
865.97	2072.	2212.	2407.	2419.	2349.	1720.	1900.
867.95	2096.	2227.	2431.	2446.	2372.	1712.	1916.
869.95	2111.	2243.	2462.	2462.	2392.	1729.	1932.
871.94	2127.	2243.	2462.	2474.	2399.	1742.	1948.
873.92	2154.	2270.	2497.	2509.	2427.	1754.	1960.
875.91	2174.	2294.	2524.	2529.	2450.	1771.	1979.
877.91	2193.	2306.	2544.	2548.	2478.	1788.	2003.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			

99.98-	364.1	382.0	352.8	380.9
85.06-	387.6	399.5	370.4	398.4
70.15-	416.8	417.1	382.1	415.9
55.21-	434.4	417.1	399.7	439.2
40.30-	440.2	440.6	417.3	450.9
25.37-	446.1	446.5	429.0	462.6
10.45-	463.7	464.0	440.8	474.2
4.46	446.1	475.8	452.5	485.9
19.40	487.1	475.8	470.1	497.6
34.31	452.0	475.8	470.1	509.2
49.24	487.1	475.8	481.8	515.1
64.16	498.8	487.5	481.8	526.7
79.07	504.7	481.6	493.6	544.2
94.01	504.7	487.5	499.4	555.9
108.92	487.1	499.2	505.3	567.5
123.85	475.4	499.2	517.1	567.5
138.77	510.5	528.5	522.9	567.5
150.71	563.2	575.4	534.6	579.2
156.68	678.4	679.0	558.1	596.7
162.65	774.4	737.8	581.6	628.9
168.62	861.7	827.0	631.3	676.6
174.59	967.9	948.6	690.1	735.1
180.55	1047.	1033.	775.5	803.9
186.52	1157.	1125.	857.9	874.4
192.49	1247.	1229.	944.0	955.0
198.46	1329.	1312.	1043.	1039.
204.42	1455.	1411.	1145.	1135.
210.39	1550.	1535.	1258.	1243.
225.32	1830.	1795.	1566.	1490.
240.23	2093.	2052.	1857.	1741.
255.16	2336.	2291.	2112.	1977.
270.08	2580.	2523.	2367.	2212.
285.00	2631.	2574.	2466.	2341.
299.93	2678.	2626.	2529.	2407.
314.84	2635.	2586.	2521.	2415.
329.77	2603.	2570.	2517.	2407.
344.69	2509.	2476.	2450.	2356.
359.61	2407.	2358.	2356.	2290.
389.45	2218.	2189.	2190.	2141.
419.30	2018.	1977.	2002.	1993.

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TIME SEC.	3-6 C-3M -----	3-7 C-5M -----	3-5 T-16 -----	7-5 T-24 -----
	DEGREES FAHRENHEIT-----			
449.15	1822.	1791.	1833.	1841.
478.99	1708.	1663.	1711.	1746.
508.83	1602.	1578.	1608.	1648.
538.67	1538.	1531.	1536.	1584.
568.52	1508.	1492.	1498.	1542.
598.37	1516.	1509.	1494.	1537.
628.21	1567.	1565.	1536.	1576.
658.05	1801.	1795.	1702.	1707.
687.89	1924.	1889.	1825.	1841.
717.74	1967.	1934.	1892.	1898.
747.59	1963.	1926.	1874.	1910.
777.43	1979.	1938.	1857.	1926.
807.27	1963.	1938.	1857.	1930.
810.26	1963.	1938.	1857.	1930.
816.23	1963.	1946.	1857.	1930.
822.20	1955.	1942.	1857.	1926.
828.17	1940.	1914.	1849.	1922.
834.14	1912.	1873.	1817.	1906.
836.12	1975.	1877.	1812.	1906.
838.11	2022.	1848.	1808.	1914.
840.11	2038.	1816.	1804.	1926.
842.09	2038.	1799.	1796.	1934.
844.08	2038.	1803.	1784.	1938.
846.08	2038.	1803.	1775.	1938.
848.06	2046.	1799.	1775.	1946.
850.04	2046.	1799.	1771.	1950.
852.04	2050.	1803.	1766.	1950.
854.03	2061.	1811.	1766.	1950.
856.01	2081.	1848.	1766.	1962.
858.01	2128.	1897.	1792.	1965.
860.00	2222.	1969.	1808.	1985.
861.98	2297.	2028.	1857.	2016.
863.98	2372.	2071.	1894.	2055.
865.97	2430.	2126.	1939.	2094.
867.95	2466.	2142.	1974.	2130.
869.95	2501.	2162.	2009.	2169.
871.94	2529.	2173.	2037.	2204.
873.92	2552.	2189.	2057.	2227.
875.91	2568.	2205.	2076.	2259.
877.91	2599.	2221.	2096.	2278.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
879.89	2627.	2244.	2120.	2302.
881.88	2659.	2268.	2143.	2329.
883.88	2682.	2287.	2163.	2349.
885.86	2702.	2307.	2183.	2368.
887.85	2722.	2307.	2190.	2392.
889.85	2718.	2307.	2206.	2411.
891.83	2714.	2291.	2214.	2419.
893.82	2714.	2291.	2214.	2431.
895.82	2742.	2299.	2214.	2439.
897.80	2745.	2307.	2222.	2450.
899.78	2738.	2307.	2230.	2454.
905.75	2726.	2311.	2234.	2462.
911.72	2734.	2311.	2238.	2474.
917.69	2722.	2295.	2234.	2482.
923.66	2730.	2284.	2230.	2478.
929.63	2718.	2268.	2222.	2478.
935.60	2722.	2240.	2210.	2482.
941.57	2718.	2229.	2198.	2482.
947.54	2710.	2213.	2190.	2478.
953.51	2714.	2240.	2190.	2478.
959.48	2702.	2229.	2194.	2478.
965.45	2659.	2201.	2179.	2458.
971.42	2623.	2177.	2151.	2435.
977.39	2607.	2130.	2128.	2419.
983.36	2599.	2111.	2112.	2403.
989.33	2576.	2083.	2084.	2388.
995.30	2568.	2095.	2072.	2380.
1001.26	2544.	2115.	2080.	2368.
1007.23	2532.	2111.	2080.	2356.
1013.20	2521.	2111.	2080.	2353.
1019.17	2501.	2099.	2072.	2341.
1049.00	2430.	2067.	2025.	2286.
1078.85	2426.	2052.	2009.	2270.
1108.70	2419.	2040.	2006.	2270.
1138.55	2430.	2063.	2025.	2282.
1168.39	2477.	2103.	2049.	2306.
1198.22	2540.	2162.	2108.	2356.
1228.07	2631.	2252.	2175.	2415.
1257.92	2674.	2307.	2238.	2466.
1287.77	2714.	2339.	2289.	2509.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
1317.61	2722.	2362.	2305.	2529.
1347.44	2742.	2366.	2301.	2536.
1377.29	2749.	2358.	2305.	2548.
1407.14	2730.	2339.	2293.	2552.
1436.99	2726.	2331.	2281.	2544.
1440.96	2730.	2339.	2281.	2544.
1455.89	2655.	2594.	2450.	2532.
1470.80	2659.	2622.	2533.	2532.
1485.73	2659.	2630.	2544.	2536.
1500.65	2651.	2626.	2544.	2540.
1515.57	2643.	2622.	2544.	2536.
1530.50	2647.	2622.	2544.	2536.
1545.41	2659.	2634.	2552.	2544.
1560.34	2655.	2626.	2548.	2544.
1590.18	2647.	2626.	2548.	2544.
1620.02	2623.	2606.	2544.	2536.
1649.87	2607.	2578.	2513.	2513.
1679.72	2587.	2567.	2505.	2497.
1709.56	2544.	2504.	2454.	2470.
1739.40	2477.	2457.	2411.	2427.
1769.24	2387.	2354.	2316.	2360.
1799.09	2285.	2236.	2222.	2282.
1828.94	2128.	2103.	2100.	2180.
1858.78	1987.	1965.	1966.	2071.
1888.62	1814.	1816.	1833.	1962.
1918.46	1623.	1629.	1672.	1829.
1948.31	1414.	1420.	1497.	1690.
1978.16	1190.	1191.	1317.	1537.
2008.00	957.8	948.6	1116.	1379.
2037.84	737.1	705.7	913.6	1215.
2067.68	598.3	440.6	706.1	1063.
2097.53	475.4	311.1	558.1	924.8
2127.38	364.1	241.1	446.6	788.1
2157.22	282.9	206.0	382.1	666.0
2187.06	247.9	178.0	332.3	567.5
2216.90	227.0	178.0	304.2	503.4
2246.75	213.0	164.0	269.2	445.1

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
99.98-	386.8	396.5	372.8	280.4	323.8	299.8	329.5
85.06-	384.1	396.5	372.8	296.7	329.3	310.7	329.5
70.15-	386.8	393.8	372.8	313.0	337.4	321.6	329.5
55.21-	386.8	391.1	372.8	329.3	345.6	332.4	335.0
40.30-	389.5	393.8	375.5	345.6	351.0	340.6	335.0
25.37-	389.5	391.1	375.5	356.4	361.8	351.5	340.4
10.45-	392.2	391.1	378.1	372.7	367.3	362.4	345.9
4.46	392.2	391.1	380.8	380.7	372.7	365.1	345.9
19.40	392.2	393.8	383.5	388.7	378.0	373.2	348.6
34.31	394.9	391.1	386.2	402.1	383.4	378.6	351.3
49.24	400.3	393.8	391.5	412.8	388.7	386.6	356.7
64.16	400.3	393.8	391.5	426.2	396.8	394.7	362.2
79.07	403.0	393.8	394.2	434.3	402.1	402.7	364.9
94.01	403.0	399.1	399.6	447.6	410.1	413.5	370.3
108.92	408.3	399.1	399.6	461.0	415.5	421.5	373.0
123.85	408.3	399.1	404.9	471.7	426.2	429.6	378.3
138.77	416.4	401.8	410.3	482.3	431.6	440.3	383.7
150.71	416.4	401.8	415.6	492.8	439.6	448.4	389.1
156.68	419.1	404.5	415.6	495.4	442.3	453.7	391.8
162.65	419.1	404.5	418.3	500.7	445.0	459.1	394.4
168.62	421.8	407.2	421.0	508.6	447.6	467.2	399.8
174.59	427.1	409.8	426.4	513.9	453.0	477.8	399.8
180.55	427.1	409.8	426.4	524.4	458.4	491.0	402.5
186.52	429.8	412.5	429.0	534.9	461.0	506.8	405.2
192.49	432.5	415.2	434.4	553.4	466.4	527.9	407.9
198.46	435.2	415.2	439.8	574.1	471.7	554.3	415.9
204.42	443.3	415.2	442.4	597.1	479.6	585.3	418.6
210.39	445.9	417.9	450.5	625.3	487.5	618.7	421.3
225.32	472.8	425.9	469.2	717.6	513.9	736.9	442.7
240.23	504.5	436.6	500.9	843.1	553.4	893.6	469.5
255.16	552.0	452.6	548.3	995.7	599.7	1079.	509.1
270.08	629.4	479.2	612.7	1163.	663.7	1292.	569.5
285.00	719.4	510.8	694.8	1331.	745.7	1484.	643.9
299.93	817.1	560.8	789.6	1473.	843.1	1637.	738.9
314.84	907.0	622.2	874.2	1578.	942.5	1734.	841.6
329.77	978.1	691.3	950.5	1655.	1034.	1797.	941.1
344.69	1029.	763.0	1009.	1702.	1107.	1817.	1025.
359.61	1062.	827.0	1049.	1730.	1169.	1811.	1088.
389.45	1082.	913.8	1087.	1721.	1233.	1748.	1155.
419.30	1059.	941.6	1080.	1668.	1240.	1653.	1162.

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TIME SEC.	8-4 T-17	4-5 T-18	8-5 T-19	4-6 T-20	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----						
1317.61	1430.	1298.	1315.	2029.	1599.	2017.	1504.
1347.44	1453.	1324.	1342.	2054.	1623.	2034.	1530.
1377.29	1477.	1350.	1360.	2071.	1644.	2051.	1554.
1407.14	1496.	1371.	1379.	2086.	1660.	2062.	1575.
1436.99	1512.	1392.	1397.	2094.	1676.	2071.	1591.
1440.96	1509.	1390.	1400.	2094.	1678.	2071.	1594.
1455.89	1520.	1403.	1413.	2103.	1684.	2091.	1599.
1470.80	1538.	1416.	1445.	2106.	1694.	2111.	1609.
1485.73	1557.	1434.	1476.	2115.	1702.	2120.	1623.
1500.65	1567.	1455.	1503.	2118.	1713.	2129.	1633.
1515.57	1575.	1471.	1524.	2124.	1721.	2132.	1646.
1530.50	1588.	1482.	1539.	2127.	1727.	2138.	1657.
1545.41	1590.	1498.	1553.	2133.	1738.	2144.	1665.
1560.34	1609.	1508.	1566.	2139.	1743.	2150.	1673.
1590.18	1623.	1527.	1584.	2148.	1757.	2150.	1689.
1620.02	1633.	1542.	1597.	2154.	1771.	2153.	1699.
1649.87	1641.	1553.	1605.	2151.	1777.	2150.	1705.
1679.72	1636.	1553.	1605.	2145.	1771.	2138.	1705.
1709.56	1631.	1550.	1600.	2130.	1766.	2123.	1699.
1739.40	1623.	1545.	1592.	2115.	1760.	2093.	1696.
1769.24	1609.	1534.	1579.	2086.	1749.	2051.	1683.
1799.09	1594.	1521.	1563.	2046.	1730.	2005.	1667.
1828.94	1567.	1500.	1532.	2000.	1710.	1937.	1644.
1858.78	1538.	1474.	1500.	1938.	1681.	1866.	1617.
1888.62	1504.	1445.	1460.	1876.	1649.	1795.	1586.
1918.46	1461.	1408.	1416.	1807.	1615.	1714.	1549.
1948.31	1422.	1377.	1373.	1735.	1573.	1632.	1512.
1978.16	1382.	1334.	1329.	1657.	1531.	1545.	1467.
2008.00	1332.	1290.	1279.	1573.	1483.	1460.	1419.
2037.84	1280.	1244.	1223.	1481.	1423.	1370.	1364.
2067.68	1215.	1185.	1161.	1378.	1352.	1281.	1303.
2097.53	1141.	1116.	1090.	1266.	1273.	1199.	1237.
2127.38	1062.	1043.	1014.	1153.	1186.	1102.	1160.
2157.22	985.7	972.0	942.9	1021.	1092.	997.7	1081.
2187.06	919.7	913.8	881.9	902.0	995.7	901.3	1005.
2216.90	871.1	870.5	833.2	797.0	912.2	819.1	933.5
2246.75	827.4	832.1	792.2	715.0	843.1	749.7	869.8

<table border="1"> <tr> <td>CALC</td> <td>09/14/1</td> <td></td> <td>REVISED</td> <td>DATE</td> </tr> <tr> <td>CHECK</td> <td>Stacy</td> <td>10/2/11</td> <td></td> <td></td> </tr> <tr> <td>APR</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>APR</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	CALC	09/14/1		REVISED	DATE	CHECK	Stacy	10/2/11			APR					APR					LEADING EDGE TEST LT-5-617-2-2 EWA NO. 05617 SPEC. 0376 COND. NO. 02 RUN 04 THE BOEING COMPANY	Vol. III 02-70080 PAGE 4.02 3-111
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	-----DEGREES FAHRENHEIT-----						
879.89	1110.	992.2	1034.	1655.	1276.	1653.	1180.
881.88	1113.	992.2	1034.	1663.	1279.	1666.	1188.
883.88	1118.	992.2	1034.	1670.	1281.	1679.	1188.
885.86	1121.	994.7	1037.	1681.	1289.	1693.	1188.
887.85	1126.	997.2	1039.	1694.	1289.	1703.	1188.
889.85	1131.	999.8	1042.	1699.	1291.	1717.	1198.
891.83	1136.	1002.	1044.	1710.	1294.	1731.	1198.
893.82	1138.	1002.	1047.	1721.	1299.	1742.	1201.
895.82	1144.	1007.	1049.	1730.	1299.	1753.	1201.
897.80	1149.	1007.	1052.	1741.	1304.	1761.	1208.
899.78	1154.	1010.	1054.	1749.	1310.	1772.	1211.
905.75	1169.	1020.	1062.	1777.	1320.	1800.	1224.
911.72	1180.	1025.	1072.	1801.	1333.	1828.	1234.
917.69	1195.	1038.	1080.	1821.	1349.	1847.	1249.
923.66	1205.	1045.	1090.	1840.	1362.	1864.	1262.
929.63	1218.	1055.	1097.	1859.	1378.	1878.	1275.
935.60	1228.	1066.	1108.	1873.	1386.	1883.	1290.
941.57	1239.	1073.	1115.	1887.	1399.	1891.	1301.
947.54	1246.	1083.	1120.	1895.	1412.	1897.	1314.
953.51	1254.	1091.	1131.	1904.	1423.	1903.	1322.
959.48	1259.	1096.	1136.	1915.	1431.	1911.	1332.
965.45	1267.	1103.	1143.	1918.	1441.	1911.	1343.
971.42	1269.	1111.	1146.	1923.	1449.	1911.	1348.
977.39	1275.	1119.	1151.	1926.	1457.	1905.	1359.
983.36	1277.	1124.	1156.	1929.	1462.	1903.	1367.
989.33	1277.	1129.	1161.	1926.	1470.	1894.	1369.
995.30	1280.	1134.	1161.	1923.	1473.	1891.	1372.
1001.26	1280.	1137.	1161.	1923.	1475.	1883.	1372.
1007.23	1277.	1137.	1161.	1918.	1478.	1880.	1380.
1013.20	1280.	1144.	1167.	1918.	1478.	1872.	1380.
1019.17	1277.	1144.	1167.	1915.	1483.	1869.	1380.
1049.00	1280.	1152.	1172.	1895.	1483.	1842.	1380.
1078.85	1280.	1160.	1174.	1876.	1475.	1825.	1380.
1108.70	1282.	1165.	1179.	1865.	1475.	1811.	1380.
1138.55	1287.	1170.	1187.	1862.	1478.	1811.	1380.
1168.39	1303.	1185.	1197.	1873.	1483.	1825.	1388.
1198.22	1319.	1195.	1210.	1892.	1497.	1853.	1401.
1228.07	1345.	1218.	1233.	1923.	1518.	1891.	1419.
1257.92	1374.	1241.	1259.	1960.	1544.	1940.	1443.
1287.77	1403.	1272.	1289.	2000.	1573.	1979.	1472.

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	T-17	T-18	T-19	T-20	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----						
449.15	1029.	941.6	1052.	1605.	1222.	1558.	1147.
478.99	993.3	921.4	1014.	1531.	1192.	1473.	1114.
508.83	960.3	896.1	970.8	1468.	1158.	1400.	1081.
538.67	929.8	870.5	932.8	1412.	1125.	1334.	1045.
568.52	909.5	847.4	897.3	1370.	1099.	1286.	1015.
598.37	886.5	824.4	874.2	1336.	1077.	1256.	989.3
628.21	886.5	816.7	861.4	1331.	1064.	1253.	976.6
658.05	901.9	821.8	874.2	1352.	1069.	1297.	976.6
687.89	932.4	837.2	902.4	1412.	1089.	1370.	996.9
717.74	970.5	860.2	935.3	1473.	1128.	1434.	1030.
747.59	1003.	890.9	965.7	1518.	1166.	1476.	1065.
777.43	1031.	918.9	993.6	1547.	1197.	1503.	1098.
807.27	1057.	946.7	1011.	1570.	1227.	1529.	1129.
810.26	1059.	946.7	1014.	1573.	1230.	1529.	1132.
816.23	1062.	951.7	1019.	1578.	1238.	1537.	1137.
822.20	1067.	956.8	1021.	1578.	1240.	1539.	1142.
828.17	1072.	961.8	1024.	1589.	1248.	1539.	1147.
834.14	1072.	964.4	1027.	1586.	1248.	1539.	1152.
836.12	1072.	966.9	1029.	1589.	1250.	1539.	1152.
838.11	1075.	966.9	1029.	1589.	1250.	1537.	1155.
840.11	1075.	969.4	1029.	1589.	1253.	1539.	1155.
842.09	1075.	969.4	1029.	1589.	1256.	1534.	1157.
844.08	1075.	969.4	1027.	1589.	1256.	1537.	1160.
846.08	1077.	972.0	1034.	1591.	1256.	1534.	1157.
848.06	1077.	972.0	1029.	1591.	1256.	1534.	1162.
850.04	1077.	974.5	1029.	1591.	1258.	1534.	1162.
852.04	1077.	972.0	1027.	1594.	1258.	1539.	1162.
854.03	1080.	977.0	1029.	1594.	1263.	1539.	1162.
856.01	1072.	977.0	1027.	1597.	1258.	1539.	1165.
858.01	1080.	977.0	1027.	1597.	1263.	1542.	1165.
860.00	1085.	979.5	1027.	1599.	1263.	1550.	1167.
861.98	1087.	982.1	1027.	1605.	1263.	1555.	1167.
863.98	1087.	982.1	1024.	1607.	1266.	1566.	1170.
865.97	1090.	982.1	1027.	1612.	1266.	1579.	1173.
867.95	1092.	984.6	1029.	1618.	1266.	1587.	1173.
869.95	1095.	982.1	1027.	1620.	1268.	1598.	1173.
871.94	1097.	984.6	1029.	1628.	1268.	1608.	1175.
873.92	1100.	987.1	1029.	1634.	1273.	1619.	1175.
875.91	1103.	987.1	1029.	1641.	1276.	1632.	1178.
877.91	1105.	992.2	1034.	1647.	1276.	1645.	1178.

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-20, T-21, T-22, & T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

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C-3M, C-5M, T-16, T-24

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
324.31	2422.	2535.	2792.	2862.	2734.	2590.	2852.
330.28	2398.	2519.	2749.	2842.	2699.	2551.	2816.
336.25	2367.	2484.	2725.	2814.	2683.	2520.	2773.
342.22	2339.	2445.	2686.	2783.	2648.	2484.	2745.
348.19	2304.	2418.	2658.	2755.	2624.	2449.	2722.
354.16	2280.	2394.	2635.	2720.	2593.	2437.	2706.
360.13	2265.	2363.	2603.	2696.	2569.	2406.	2678.
375.04	2198.	2300.	2533.	2625.	2503.	2323.	2604.
389.97	2139.	2245.	2462.	2562.	2448.	2265.	2545.
404.89	2049.	2144.	2368.	2460.	2358.	2174.	2435.
419.81	1915.	2003.	2208.	2303.	2229.	2045.	2309.
434.74	1801.	1884.	2087.	2174.	2103.	1907.	2161.
449.65	1661.	1735.	1934.	2017.	1959.	1763.	2008.
464.58	1511.	1581.	1784.	1853.	1818.	1618.	1852.
474.50	1360.	1434.	1640.	1668.	1662.	1454.	1672.
494.42	1223.	1276.	1473.	1480.	1517.	1301.	1497.
509.35	1075.	1122.	1312.	1291.	1362.	1171.	1368.
524.26	911.9	955.9	1121.	1061.	1197.	1027.	1203.
539.19	790.1	814.7	955.1	876.2	1064.	846.2	981.8
554.11	646.2	650.7	793.5	651.3	890.0	694.2	840.4
569.03	504.5	498.0	644.9	480.9	724.8	516.2	661.7
583.96	416.7	416.2	532.6	381.5	613.2	405.0	539.1
598.87	317.8	303.5	421.8	289.8	497.8	303.8	416.4
601.87	317.8	296.5	415.9	268.8	474.4	289.8	398.9

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TIME SEC.	3-2 T-10	7-2 T-11	7-6 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
.01	116.5	116.6	108.3	116.6	125.0	108.2	116.6
5.98	178.0	198.8	205.7	205.9	205.8	226.9	247.8
11.95	275.9	345.4	303.3	352.2	324.4	331.8	352.1
17.92	405.0	498.0	445.1	516.0	462.8	428.4	457.3
23.89	475.2	591.4	538.4	624.7	573.7	498.6	562.5
29.86	557.1	656.0	623.6	715.2	655.7	557.1	635.1
35.82	614.3	719.8	719.2	810.5	735.4	688.9	762.8
41.79	651.6	762.3	777.6	866.1	804.3	752.8	830.3
47.76	720.8	834.9	859.4	957.1	879.9	784.7	875.7
53.73	774.1	890.4	935.0	1036.	960.6	841.1	941.4
59.69	826.0	955.9	1010.	1104.	1025.	917.0	1031.
65.66	881.6	1006.	1068.	1175.	1093.	997.8	1128.
71.63	917.0	1050.	1140.	1246.	1159.	1056.	1189.
77.60	977.6	1108.	1196.	1310.	1220.	1104.	1250.
83.56	1042.	1174.	1261.	1391.	1308.	1152.	1295.
89.53	1129.	1244.	1334.	1467.	1384.	1225.	1381.
95.50	1218.	1308.	1424.	1549.	1478.	1264.	1430.
101.47	1274.	1389.	1495.	1617.	1542.	1342.	1519.
107.44	1338.	1438.	1559.	1677.	1602.	1387.	1570.
113.41	1383.	1492.	1627.	1737.	1657.	1445.	1621.
119.38	1418.	1530.	1674.	1788.	1700.	1507.	1685.
134.30	1550.	1667.	1813.	1926.	1838.	1626.	1815.
149.23	1695.	1814.	1985.	2079.	1986.	1771.	1969.
164.14	1797.	1912.	2103.	2185.	2088.	1903.	2106.
179.08	1931.	2046.	2243.	2319.	2213.	2045.	2255.
193.99	2053.	2171.	2384.	2460.	2342.	2174.	2392.
208.91	2147.	2265.	2494.	2554.	2440.	2265.	2486.
223.84	2214.	2351.	2556.	2621.	2499.	2320.	2560.
238.75	2276.	2406.	2623.	2696.	2573.	2406.	2639.
253.69	2335.	2480.	2698.	2767.	2640.	2469.	2718.
268.60	2406.	2547.	2772.	2834.	2703.	2539.	2781.
270.59	2398.	2547.	2780.	2846.	2711.	2547.	2797.
276.56	2422.	2570.	2796.	2862.	2738.	2582.	2832.
282.52	2449.	2598.	2832.	2893.	2754.	2594.	2852.
288.49	2473.	2621.	2851.	2921.	2786.	2602.	2868.
294.46	2524.	2661.	2894.	2972.	2829.	2646.	2903.
300.43	2543.	2685.	2910.	2980.	2837.	2661.	2919.
306.40	2504.	2641.	2879.	2952.	2817.	2642.	2903.
312.37	2469.	2606.	2835.	2917.	2786.	2626.	2891.
318.34	2453.	2574.	2816.	2897.	2770.	2618.	2860.

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TIME SEC.	J-6 C-3M	J-7 C-5M	J-5 T-16	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
.01	99.70	116.5	141.6	150.0
5.98	255.1	205.9	141.6	150.0
11.95	318.1	331.8	178.1	157.0
17.92	417.1	463.5	213.1	177.9
23.89	499.2	522.0	262.3	205.8
29.86	563.7	586.4	318.4	233.7
35.82	657.7	704.8	382.2	289.5
41.79	705.7	764.7	464.5	357.7
47.76	780.5	866.4	540.8	427.8
53.73	857.4	942.2	626.3	486.1
59.69	918.2	1022.	706.4	556.2
65.66	999.2	1090.	802.5	634.5
71.63	1067.	1171.	893.8	719.5
77.60	1125.	1237.	985.1	804.3
83.56	1201.	1315.	1078.	885.0
89.53	1266.	1392.	1160.	975.7
95.50	1321.	1454.	1249.	1064.
101.47	1385.	1520.	1318.	1145.
107.44	1443.	1588.	1395.	1230.
113.41	1509.	1644.	1471.	1308.
119.38	1548.	1707.	1541.	1376.
134.30	1697.	1870.	1716.	1534.
149.23	1840.	2013.	1879.	1683.
164.14	1961.	2151.	2034.	1826.
179.08	2095.	2304.	2196.	1959.
193.99	2229.	2445.	2349.	2088.
208.91	2307.	2547.	2471.	2201.
223.84	2386.	2642.	2554.	2284.
238.75	2457.	2701.	2641.	2358.
253.69	2531.	2776.	2716.	2428.
268.60	2610.	2855.	2799.	2507.
270.59	2626.	2871.	2807.	2511.
276.56	2638.	2886.	2835.	2542.
282.52	2673.	2906.	2855.	2565.
288.49	2701.	2914.	2875.	2589.
294.46	2729.	2950.	2902.	2616.
300.43	2733.	2965.	2942.	2652.
306.40	2709.	2950.	2902.	2636.
312.37	2673.	2922.	2898.	2636.
318.34	2654.	2906.	2871.	2612.

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TIME SEC.	3-6 C-3M	3-7 C-5M	3-5 T-10	7-5 T-24
	-----DEGREES FAHRENHEIT-----			
324.31	2622.	2886.	2863.	2593.
330.28	2582.	2863.	2839.	2577.
336.25	2559.	2839.	2811.	2557.
342.22	2523.	2804.	2787.	2542.
348.19	2504.	2764.	2756.	2526.
354.16	2472.	2728.	2724.	2507.
360.13	2445.	2697.	2708.	2487.
375.04	2358.	2618.	2629.	2428.
389.97	2311.	2535.	2558.	2389.
404.89	2193.	2441.	2471.	2315.
419.81	2079.	2284.	2357.	2233.
434.74	1958.	2139.	2239.	2131.
449.65	1791.	1998.	2113.	2025.
464.58	1637.	1854.	1983.	1919.
479.50	1501.	1699.	1842.	1818.
494.42	1340.	1541.	1708.	1700.
509.35	1182.	1360.	1579.	1581.
524.26	1033.	1190.	1449.	1460.
539.19	857.4	1012.	1300.	1331.
554.11	668.4	815.9	1155.	1201.
569.03	528.5	539.6	995.3	1083.
583.96	428.9	364.0	863.4	975.7
598.87	364.4	247.9	722.5	879.9
601.87	358.5	226.9	701.1	864.8

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	-----DEGREES FAHRENHEIT-----						
.01	410.8	425.7	384.1	207.4	312.7	257.2	332.2
5.98	410.8	423.1	384.1	210.0	310.0	257.2	329.5
11.95	408.1	420.4	381.4	207.4	310.0	257.2	332.2
17.92	410.8	420.4	381.4	207.4	307.3	254.6	329.5
23.89	405.4	420.4	381.4	207.4	307.3	257.2	329.5
29.86	408.1	420.4	381.4	212.6	307.3	259.8	329.5
35.82	405.4	420.4	381.4	215.2	307.3	267.6	326.8
41.79	405.4	420.4	381.4	220.4	310.0	275.5	326.8
47.76	408.1	423.1	384.1	236.1	315.4	291.6	329.5
53.73	413.4	425.7	389.4	254.3	318.1	307.9	329.5
59.69	416.1	425.7	392.1	277.8	326.3	329.7	332.2
65.66	418.8	428.4	397.5	304.9	334.4	351.4	334.9
71.63	426.9	431.1	402.9	332.0	345.2	375.8	334.9
77.60	426.9	433.8	408.2	361.8	358.8	402.7	345.8
83.56	437.6	439.1	419.0	394.1	372.3	434.9	348.5
89.53	443.0	444.5	427.1	434.3	388.3	469.8	356.7
95.50	456.4	452.5	440.5	479.6	404.4	509.4	367.5
101.47	469.8	460.5	456.6	524.4	425.7	551.6	378.3
107.44	485.7	471.2	475.3	574.1	452.5	595.5	391.7
113.41	506.8	481.7	496.5	625.3	471.2	641.7	407.8
119.38	525.3	497.5	522.9	676.6	500.1	690.5	426.6
134.30	590.4	536.9	595.8	814.9	573.3	829.2	480.0
149.23	670.0	593.8	683.2	952.7	655.2	969.5	540.7
164.14	765.1	600.3	791.2	1089.	749.9	1122.	620.7
179.08	870.4	739.6	904.2	1222.	849.6	1268.	713.1
193.99	979.9	834.3	1024.	1352.	958.9	1426.	820.8
208.91	1091.	936.2	1133.	1483.	1073.	1573.	943.4
223.84	1189.	1035.	1228.	1597.	1177.	1700.	1060.
238.75	1276.	1129.	1316.	1699.	1277.	1813.	1172.
253.69	1357.	1215.	1398.	1799.	1376.	1910.	1277.
268.60	1428.	1297.	1466.	1887.	1460.	2007.	1374.
270.59	1444.	1310.	1482.	1898.	1476.	2022.	1387.
276.56	1516.	1365.	1546.	1946.	1531.	2084.	1448.
282.52	1550.	1402.	1580.	1980.	1563.	2119.	1488.
288.49	1579.	1431.	1609.	2012.	1589.	2149.	1514.
294.46	1600.	1455.	1625.	2040.	1615.	2180.	1546.
300.43	1634.	1492.	1662.	2077.	1644.	2216.	1583.
306.40	1648.	1507.	1678.	2103.	1665.	2237.	1604.
312.37	1658.	1523.	1691.	2121.	1684.	2243.	1625.
318.34	1671.	1544.	1707.	2139.	1699.	2246.	1643.

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	T-17	T-18	T-19	T-20	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----						
324.31	1687.	1560.	1721.	2157.	1719.	2252.	1662.
330.28	1687.	1570.	1726.	2163.	1730.	2249.	1675.
336.25	1687.	1581.	1729.	2172.	1741.	2243.	1685.
342.22	1693.	1589.	1729.	2175.	1754.	2240.	1696.
348.19	1700.	1602.	1743.	2184.	1765.	2234.	1712.
354.16	1706.	1607.	1749.	2181.	1774.	2225.	1721.
360.13	1703.	1615.	1746.	2178.	1779.	2213.	1723.
375.04	1695.	1618.	1732.	2163.	1785.	2177.	1729.
389.97	1679.	1618.	1718.	2145.	1787.	2140.	1726.
404.89	1669.	1615.	1704.	2121.	1785.	2107.	1723.
419.81	1650.	1602.	1683.	2088.	1774.	2056.	1715.
434.74	1621.	1578.	1651.	2049.	1754.	1996.	1696.
449.65	1592.	1552.	1612.	2000.	1727.	1930.	1670.
464.58	1550.	1513.	1567.	1943.	1694.	1863.	1638.
479.50	1505.	1473.	1519.	1879.	1655.	1789.	1598.
494.42	1460.	1431.	1466.	1815.	1613.	1725.	1559.
509.35	1405.	1379.	1413.	1746.	1565.	1647.	1511.
524.26	1344.	1323.	1353.	1670.	1510.	1565.	1459.
539.19	1279.	1261.	1292.	1583.	1452.	1476.	1401.
554.11	1214.	1205.	1225.	1489.	1384.	1389.	1343.
569.03	1156.	1149.	1164.	1394.	1323.	1301.	1282.
583.96	1099.	1098.	1107.	1299.	1256.	1217.	1226.
598.87	1048.	1052.	1054.	1212.	1195.	1142.	1172.
601.87	1038.	1045.	1046.	1197.	1185.	1130.	1162.

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TEMPERATURE DATA

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TOLERANCE FOR ALL OTHER THERMOCOUPLES

THERMOCOUPLE NO.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
238.9A-	72.36	72.70	72.38	81.53	63.79	72.32	81.91
224.07-	72.36	72.70	81.62	63.00	72.96	81.58	72.70
209.14-	150.0	133.4	150.0	150.0	141.7	184.8	198.5
194.22-	233.4	212.3	247.3	191.8	198.3	184.8	184.6
179.31-	323.8	295.4	330.7	268.3	253.5	282.2	295.4
164.37-	309.9	316.2	316.8	261.4	239.7	282.2	274.6
149.46-	351.4	343.9	337.7	275.3	260.4	310.0	288.5
134.53-	368.8	362.3	351.3	296.2	267.3	323.9	295.4
119.61-	374.6	379.7	357.2	296.2	267.3	351.4	309.3
104.70-	386.3	397.0	374.6	310.1	281.1	363.1	323.1
89.76-	392.1	414.4	380.4	317.0	294.9	374.7	337.0
74.85-	409.5	420.2	392.1	324.0	301.8	392.2	350.7
59.92-	432.8	443.4	409.5	337.9	322.5	398.0	350.7
45.00-	450.3	449.2	421.1	351.6	336.3	409.7	362.3
30.09-	456.1	460.8	427.0	363.2	336.3	421.3	373.9
15.15-	467.7	478.2	444.4	369.0	350.1	421.3	379.7
.24-	485.2	489.8	450.2	380.7	367.5	438.8	379.7
14.69	485.2	501.3	461.9	380.7	361.7	444.6	385.4
29.61	491.0	507.1	461.9	386.5	361.7	444.6	391.2
44.52	485.2	512.9	461.9	380.7	367.5	456.2	391.2
59.46	496.8	524.5	467.7	386.5	367.5	456.2	391.2
74.37	502.6	518.7	473.5	392.3	384.8	444.6	385.4
89.30	508.4	530.3	479.3	392.3	379.0	462.0	397.0
104.22	508.4	536.1	479.3	398.2	373.2	467.9	408.6
119.13	514.3	547.7	485.1	398.2	379.0	462.0	397.0
134.07	514.3	530.3	479.3	398.2	373.2	467.9	402.8
148.98	514.3	541.9	485.1	409.8	384.8	485.3	408.6
150.97	537.5	559.3	520.0	427.3	402.1	485.3	426.0
156.94	640.1	636.8	627.8	503.0	506.1	561.0	507.1
162.91	765.6	731.8	744.4	596.2	598.5	612.2	553.5
168.87	847.8	830.4	842.7	665.5	677.5	702.3	657.9
174.84	958.4	935.5	968.3	766.3	772.2	807.9	742.3
180.81	1052.	1039.	1066.	848.5	858.4	898.4	830.4
186.78	1120.	1135.	1152.	924.0	918.3	1013.	935.5
192.75	1203.	1223.	1236.	999.5	988.1	1095.	1005.
198.72	1291.	1314.	1332.	1081.	1060.	1199.	1106.
204.69	1403.	1434.	1443.	1172.	1155.	1296.	1190.
210.66	1500.	1556.	1556.	1283.	1252.	1391.	1278.
225.58	1768.	1828.	1842.	1549.	1501.	1637.	1509.
240.51	2017.	2065.	2098.	1778.	1724.	1863.	1703.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
255.42	2255.	2302.	2340.	2003.	1952.	2076.	1925.
270.35	2496.	2562.	2598.	2245.	2192.	2240.	2057.
285.27	2586.	2656.	2649.	2307.	2257.	2298.	2116.
300.19	2629.	2703.	2696.	2354.	2300.	2314.	2100.
315.12	2622.	2691.	2668.	2331.	2277.	2275.	2069.
330.03	2594.	2676.	2649.	2319.	2261.	2232.	2011.
344.96	2530.	2605.	2574.	2253.	2199.	2134.	1917.
359.88	2426.	2496.	2449.	2139.	2087.	2041.	1808.
389.73	2258.	2302.	2243.	1952.	1912.	1871.	1606.
419.57	2048.	2100.	2055.	1774.	1716.	1675.	1395.
449.41	1858.	1905.	1854.	1570.	1539.	1523.	1200.
479.25	1742.	1792.	1738.	1467.	1427.	1439.	1125.
509.10	1641.	1682.	1628.	1356.	1320.	1323.	1010.
538.95	1560.	1602.	1564.	1297.	1261.	1305.	1010.
539.94	1560.	1598.	1556.	1301.	1252.	1305.	1015.
569.79	1530.	1560.	1530.	1278.	1220.	1264.	975.5
599.63	1510.	1560.	1530.	1278.	1215.	1310.	1039.
629.47	1603.	1648.	1615.	1374.	1311.	1484.	1246.
659.31	1801.	1852.	1834.	1549.	1497.	1637.	1434.
689.16	1923.	1987.	1950.	1659.	1611.	1675.	1457.
719.01	1974.	2030.	1985.	1706.	1649.	1663.	1426.
748.85	1978.	2042.	1993.	1706.	1657.	1616.	1342.
778.69	1978.	2046.	1997.	1714.	1653.	1599.	1337.
808.53	1981.	2034.	1993.	1706.	1653.	1586.	1323.
814.50	1981.	2034.	1993.	1706.	1657.	1590.	1332.
820.47	1978.	2034.	1993.	1702.	1657.	1599.	1323.
826.44	1970.	2018.	1989.	1697.	1649.	1582.	1319.
832.41	1927.	1987.	1942.	1646.	1611.	1493.	1204.
834.40	1923.	1980.	1946.	1646.	1606.	1501.	1232.
836.40	1903.	1960.	1931.	1629.	1598.	1523.	1251.
838.38	1886.	1948.	1915.	1612.	1581.	1535.	1269.
840.36	1890.	1956.	1927.	1629.	1594.	1612.	1359.
842.36	1878.	1937.	1915.	1612.	1581.	1650.	1412.
844.35	1866.	1929.	1907.	1600.	1573.	1692.	1465.
846.33	1866.	1929.	1911.	1608.	1577.	1760.	1560.
848.33	1870.	1929.	1919.	1612.	1585.	1781.	1602.
850.32	1874.	1929.	1915.	1621.	1594.	1822.	1648.
852.30	1870.	1913.	1923.	1621.	1594.	1830.	1661.
854.30	1874.	1937.	1931.	1621.	1598.	1859.	1686.
856.29	1890.	1941.	1946.	1634.	1606.	1879.	1712.

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TIME SEC.	5-2 T-10	7-2 T-11	5-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
858.27	1930.	1987.	2009.	1689.	1457.	1903.	1741.
860.27	1907.	2034.	2059.	1736.	1707.	1924.	1762.
862.26	2036.	2084.	2122.	1786.	1754.	1939.	1779.
864.24	2000.	2147.	2188.	1839.	1820.	1959.	1792.
866.23	2140.	2209.	2250.	1908.	1880.	1947.	1775.
868.23	2223.	2290.	2332.	1975.	1952.	1986.	1816.
870.21	2227.	2310.	2336.	1983.	1959.	1967.	1792.
872.20	2290.	2364.	2399.	2038.	2013.	1986.	1800.
874.20	2300.	2388.	2410.	2050.	2029.	1990.	1812.
876.18	2325.	2415.	2438.	2065.	2052.	2006.	1820.
878.17	2340.	2430.	2457.	2081.	2068.	1994.	1804.
880.17	2375.	2469.	2488.	2116.	2099.	1990.	1800.
882.15	2411.	2454.	2520.	2143.	2126.	1990.	1796.
884.14	2430.	2512.	2543.	2155.	2145.	1990.	1800.
886.14	2450.	2543.	2570.	2182.	2165.	2002.	1808.
888.12	2403.	2570.	2598.	2214.	2196.	2006.	1816.
890.10	2480.	2570.	2582.	2210.	2192.	2006.	1816.
892.10	2500.	2586.	2606.	2222.	2211.	2002.	1812.
894.09	2508.	2597.	2613.	2225.	2215.	2006.	1812.
896.07	2524.	2613.	2629.	2245.	2234.	2014.	1816.
898.07	2537.	2621.	2653.	2249.	2242.	2014.	1820.
900.06	2539.	2625.	2668.	2261.	2250.	2017.	1816.
901.05	2551.	2640.	2649.	2261.	2246.	2014.	1820.
907.02	2586.	2668.	2680.	2292.	2285.	2006.	1816.
912.99	2563.	2660.	2672.	2280.	2273.	2006.	1812.
918.96	2555.	2640.	2661.	2276.	2261.	2002.	1812.
2065.96	566.6	541.9	495.1	369.0	329.4	549.4	323.1
2095.80	444.4	385.4	351.3	261.4	232.8	427.1	240.0
2125.65	351.4	302.3	289.0	198.7	191.4	368.9	191.5
2155.50	280.0	246.9	233.4	163.9	156.9	303.0	170.8
2185.34	254.3	219.2	199.7	150.0	150.0	268.2	150.0
2215.18	226.5	198.5	177.8	150.0	133.5	233.5	150.0

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
-----DEGREES FAHRENHEIT-----					
238.98-	72.66	72.58	72.09	81.75	81.47
224.07-	72.66	81.81	72.09	81.75	72.19
209.14-	170.8	184.7	81.38	91.00	72.19
194.22-	212.3	170.8	150.0	150.0	90.74
179.31-	274.7	309.5	198.8	191.6	100.0
164.37-	295.5	302.5	261.6	274.9	125.0
149.46-	316.3	323.3	296.5	309.6	150.0
134.53-	316.3	330.3	338.3	351.0	163.9
119.61-	330.1	344.1	363.6	380.1	191.8
104.70-	350.8	362.5	386.9	397.5	212.7
89.76-	362.4	344.1	404.4	414.9	233.6
74.85-	374.0	374.1	422.0	432.3	261.5
59.92-	391.4	379.9	433.6	438.1	282.4
45.00-	403.0	397.3	451.1	455.5	310.2
30.09-	403.0	403.1	462.8	473.0	331.1
15.15-	420.3	408.9	486.2	490.4	351.7
.24-	431.9	426.3	497.8	502.0	363.3
14.69	443.5	426.3	515.3	513.6	386.7
29.61	443.5	432.1	527.0	525.2	398.3
44.52	443.5	432.1	527.0	531.0	410.0
59.46	449.3	443.7	550.4	536.8	415.8
74.37	455.1	443.7	544.5	548.4	439.1
89.30	466.7	449.5	550.4	548.4	450.8
104.22	466.7	455.3	556.2	560.1	462.5
119.13	466.7	455.3	556.2	560.1	479.9
134.07	466.7	455.3	562.0	565.9	479.9
148.98	484.1	467.0	567.9	565.9	485.8
150.97	524.7	478.6	567.9	565.9	497.4
156.94	637.0	542.4	597.1	583.3	491.6
162.91	716.2	600.4	645.2	600.6	509.1
168.87	825.7	674.3	714.2	632.4	538.2
174.84	910.8	821.1	794.0	690.5	549.9
180.81	1011.	941.4	880.0	775.1	579.0
186.78	1092.	1059.	970.8	866.7	618.1
192.75	1186.	1159.	1054.	957.0	665.9
198.72	1279.	1270.	1141.	1064.	713.6
204.69	1378.	1396.	1230.	1160.	777.3
210.66	1470.	1506.	1331.	1271.	843.9
225.58	1750.	1764.	1589.	1537.	1048.
240.51	2027.	2001.	1834.	1790.	1311.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
255.42	2220.	2250.	2084.	2033.	1575.
270.35	1035.	2479.	2335.	2255.	1845.
285.27	870.8	2538.	2456.	2384.	2070.
300.19	855.7	2573.	2526.	2438.	2192.
315.12	855.7	2546.	2538.	2446.	2242.
330.03	835.7	2507.	2526.	2426.	2246.
344.96	840.7	2421.	2460.	2372.	2211.
359.88	835.7	2308.	2385.	2302.	2168.
389.73	795.4	2122.	2229.	2162.	2031.
419.57	742.6	1931.	2061.	2002.	1901.
449.41	716.2	1739.	1899.	1847.	1762.
479.25	726.8	1646.	1799.	1736.	1652.
509.10	774.3	1527.	1691.	1638.	1562.
538.95	835.7	1467.	1611.	1558.	1490.
539.94	845.7	1467.	1611.	1566.	1499.
569.79	870.8	1445.	1591.	1528.	1454.
599.63	935.9	1458.	1560.	1516.	1428.
629.47	1015.	1561.	1619.	1558.	1445.
659.31	1087.	1760.	1768.	1681.	1533.
689.16	1126.	1850.	1895.	1803.	1635.
719.01	1195.	1874.	1939.	1859.	1711.
748.85	1200.	1903.	1955.	1884.	1741.
778.69	1260.	1899.	1959.	1888.	1762.
808.53	1328.	1895.	1955.	1888.	1771.
814.50	1338.	1903.	1959.	1896.	1775.
820.47	1333.	1903.	1963.	1884.	1775.
826.44	1360.	1874.	1955.	1888.	1775.
832.41	1382.	1790.	1947.	1867.	1779.
834.40	1391.	1794.	1935.	1855.	1771.
836.40	1400.	1768.	1928.	1847.	1775.
838.38	1395.	1768.	1920.	1843.	1779.
840.36	1395.	1810.	1915.	1839.	1775.
842.36	1395.	1810.	1911.	1835.	1779.
844.35	1395.	1794.	1907.	1831.	1779.
846.33	1395.	1794.	1903.	1835.	1783.
848.33	1391.	1781.	1903.	1835.	1783.
850.32	1391.	1785.	1911.	1839.	1788.
852.30	1382.	1781.	1911.	1839.	1788.
854.30	1395.	1785.	1915.	1839.	1796.
856.29	1404.	1790.	1924.	1847.	1796.

07/03/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 01	V. I. III P2-80085 2.01 PAGE 3-126
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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
858.27	1400.	1838.	1935.	1851.	1804.
860.27	1404.	1907.	1955.	1863.	1812.
862.26	1400.	1954.	1996.	1880.	1816.
864.24	1422.	1997.	2014.	1904.	1832.
866.23	1426.	2028.	2049.	1924.	1857.
868.23	1430.	2094.	2084.	1955.	1873.
870.21	1436.	2087.	2127.	1979.	1897.
872.20	1448.	2118.	2155.	2006.	1930.
874.20	1444.	2133.	2186.	2029.	1957.
876.18	1457.	2149.	2209.	2053.	1981.
878.17	1475.	2153.	2233.	2068.	2004.
880.17	1470.	2172.	2252.	2095.	2035.
882.15	1488.	2192.	2276.	2111.	2055.
884.14	1475.	2207.	2295.	2134.	2074.
886.14	1492.	2234.	2311.	2146.	2102.
888.12	1497.	2258.	2338.	2169.	2125.
890.10	1505.	2254.	2354.	2185.	2145.
892.10	1510.	2258.	2370.	2197.	2164.
894.09	1518.	2258.	2374.	2216.	2184.
896.07	1510.	2265.	2385.	2220.	2199.
898.07	1510.	2262.	2405.	2232.	2219.
900.06	1518.	2242.	2409.	2239.	2231.
901.05	1514.	2250.	2417.	2247.	2235.
907.02	1518.	2254.	2440.	2267.	2270.
912.99	1514.	2262.	2452.	2275.	2297.
918.96	1522.	2254.	2452.	2282.	2313.
2065.96	1338.	391.5	839.7	876.7	1177.
2095.80	1195.	274.8	677.0	722.2	1034.
2125.65	484.1	212.4	562.0	616.5	919.5
2155.50	240.1	184.7	474.5	536.8	808.7
2185.34	191.6	156.9	398.6	467.2	708.3
2215.18	163.9	150.0	363.6	420.7	618.1

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TIME SEC.	4-5	8-5	4-6	8-6	4-7	8-7
	T-17	T-18	T-19	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----					
238.98-	79.61	76.70	76.93	79.72	76.73	77.02
224.07-	76.91	76.70	79.63	77.01	76.73	79.72
209.14-	79.61	76.70	79.63	79.72	79.44	79.72
194.22-	79.61	79.42	79.63	79.72	79.44	79.72
179.31-	79.61	79.42	79.63	84.93	79.44	84.94
164.37-	82.24	79.42	82.25	90.14	84.69	95.35
149.46-	84.84	82.05	84.86	100.5	87.30	105.8
134.53-	84.84	82.05	87.46	116.2	92.52	118.8
119.61-	90.05	84.67	92.67	134.4	105.6	134.4
104.70-	97.87	87.28	97.89	150.0	118.6	150.0
89.76-	105.7	92.51	108.3	170.7	131.7	157.8
74.85-	113.5	95.12	113.5	188.8	144.8	173.3
59.92-	126.5	100.3	119.7	209.5	157.8	186.2
45.00-	134.4	105.6	126.5	230.2	175.4	199.1
30.00-	144.8	110.8	137.0	250.9	191.5	214.7
15.15-	150.0	116.0	144.8	269.0	207.1	227.6
.24-	163.0	123.9	150.0	287.4	225.3	240.5
14.69	173.3	131.7	157.8	303.5	240.9	250.9
29.61	186.3	139.5	168.1	322.3	256.4	263.8
44.52	196.6	147.4	178.5	335.8	272.0	271.6
59.46	207.0	150.0	186.2	351.9	285.2	279.3
74.37	219.9	157.8	196.6	368.1	298.7	292.7
89.30	230.3	165.6	209.6	381.4	314.9	300.8
104.22	243.2	173.4	219.9	397.3	328.4	308.9
119.13	253.6	183.8	230.3	410.6	341.9	317.0
134.07	266.6	191.6	240.6	423.9	355.4	327.7
148.98	276.9	199.3	248.4	437.1	368.9	338.5
150.97	279.5	201.9	251.0	437.1	371.6	338.5
156.94	284.9	204.5	253.6	442.5	374.3	343.9
162.91	290.3	209.7	261.3	447.8	379.6	349.2
168.87	293.0	212.3	263.9	453.1	384.9	351.9
174.84	298.3	214.9	269.1	458.4	390.3	354.6
180.81	301.0	220.1	271.7	463.7	392.9	360.0
186.78	306.4	222.7	276.9	471.6	398.3	370.7
192.75	311.8	227.9	282.1	479.5	406.3	378.7
198.72	317.2	233.1	287.5	489.9	411.6	389.3
204.69	322.6	235.7	292.9	500.4	416.9	402.6
210.66	328.0	240.9	298.3	516.0	424.9	418.5
225.58	344.1	256.5	314.5	563.0	443.6	463.7
240.51	365.7	274.7	336.0	631.6	464.9	523.9

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
255.42	392.3	304.2	362.9	725.6	499.1	601.1
270.35	432.2	350.1	405.6	845.0	538.4	690.0
285.27	498.2	425.0	440.4	991.3	590.0	796.7
300.19	589.0	530.6	555.7	1158.	653.8	903.4
315.12	688.2	646.3	652.5	1305.	737.9	1011.
330.03	787.5	750.9	751.7	1422.	827.2	1094.
344.96	868.9	832.5	835.6	1503.	916.3	1168.
359.88	924.6	888.6	894.1	1553.	989.3	1211.
389.73	987.4	934.1	939.5	1597.	1093.	1264.
419.57	994.9	934.1	974.6	1584.	1136.	1241.
449.41	979.9	908.9	909.5	1535.	1136.	1196.
479.25	949.7	875.9	929.4	1469.	1115.	1130.
509.10	917.0	847.8	899.2	1407.	1083.	1067.
538.95	889.2	817.2	868.7	1347.	1050.	1016.
539.94	886.7	817.2	866.2	1347.	1045.	1014.
569.79	861.2	791.7	838.2	1300.	1017.	966.1
599.63	840.9	771.3	817.8	1264.	991.8	941.0
629.47	830.7	761.1	802.6	1239.	974.2	923.5
659.31	828.2	761.1	797.5	1239.	964.1	933.5
689.16	840.9	773.8	807.6	1267.	949.2	958.6
719.01	863.8	799.3	830.5	1315.	986.8	996.2
748.85	894.3	827.4	853.4	1360.	1015.	1026.
778.69	922.0	852.9	878.9	1396.	1045.	1059.
808.53	949.7	873.3	899.2	1425.	1072.	1087.
814.50	954.7	878.4	904.3	1430.	1078.	1089.
820.47	957.2	883.5	909.3	1435.	1085.	1094.
826.44	962.3	883.5	909.3	1441.	1088.	1099.
832.41	967.3	891.2	914.3	1446.	1093.	1099.
834.40	969.8	891.2	914.3	1446.	1095.	1104.
836.40	969.8	891.2	914.3	1448.	1098.	1104.
838.38	972.3	891.2	916.8	1448.	1098.	1107.
840.36	972.3	893.7	919.3	1451.	1100.	1112.
842.36	974.8	893.7	919.3	1451.	1100.	1112.
844.35	974.8	893.7	919.3	1454.	1103.	1112.
846.33	974.8	893.7	919.3	1456.	1105.	1114.
848.33	977.3	898.8	921.9	1456.	1105.	1117.
850.32	979.9	898.8	924.4	1459.	1105.	1117.
852.30	984.9	898.8	921.9	1459.	1110.	1122.
854.30	982.4	898.8	924.4	1462.	1110.	1122.
856.29	982.4	901.4	924.4	1464.	1110.	1125.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
858.27	984.9	903.9	926.9	1464.	1113.	1127.
860.27	987.4	903.9	926.9	1464.	1113.	1132.
862.26	987.4	903.9	924.4	1467.	1115.	1135.
864.24	987.4	903.9	929.4	1472.	1118.	1140.
866.23	989.9	908.9	929.4	1475.	1118.	1145.
868.23	992.4	908.9	929.4	1475.	1118.	1147.
870.21	992.4	908.9	929.4	1477.	1121.	1150.
872.20	994.9	908.9	929.4	1482.	1123.	1155.
874.20	997.4	914.0	931.9	1482.	1126.	1157.
876.18	1000.	914.0	931.9	1488.	1126.	1160.
878.17	1000.	916.5	934.4	1490.	1128.	1168.
880.17	1002.	916.5	936.9	1498.	1131.	1173.
882.15	1005.	921.5	936.9	1503.	1131.	1180.
884.14	1010.	924.1	939.4	1509.	1133.	1193.
886.14	1010.	924.1	939.4	1516.	1136.	1201.
888.12	1013.	929.1	942.0	1524.	1136.	1211.
890.10	1018.	931.6	942.0	1529.	1138.	1221.
892.10	1020.	934.1	944.5	1537.	1141.	1229.
894.00	1023.	936.7	947.0	1550.	1143.	1236.
896.07	1028.	939.2	949.5	1558.	1146.	1244.
898.07	1033.	944.2	952.0	1566.	1149.	1251.
900.06	1035.	946.7	952.0	1576.	1154.	1261.
901.05	1038.	949.3	954.5	1579.	1154.	1267.
907.02	1050.	959.3	962.1	1610.	1164.	1297.
912.99	1063.	969.4	967.1	1639.	1177.	1326.
918.96	1078.	984.5	977.1	1665.	1187.	1354.
2065.96	1210.	1131.	1118.	1459.	1335.	1188.
2095.80	1131.	1060.	1047.	1347.	1253.	1084.
2125.65	1048.	987.1	974.6	1239.	1169.	963.6
2155.50	962.3	903.9	891.6	1119.	1070.	842.4
2185.34	881.6	835.1	820.4	996.3	974.2	733.2
2215.18	815.4	773.8	754.2	885.7	885.8	631.6

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-21, T-22, & T-23 = $\pm 45^{\circ}$ F.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}$ F.

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	-----DEGREES FAHRENHEIT-----						
239.9A-	90.87	81.85	90.92	81.47	82.11	100.0	81.87
225.07-	81.62	91.08	108.3	90.74	82.11	100.0	91.08
210.15-	212.6	156.9	212.8	177.9	163.8	163.9	150.0
195.22-	363.0	295.5	357.8	296.3	267.4	247.5	205.4
180.31-	733.8	658.2	698.4	692.4	523.6	761.1	637.1
165.37-	432.8	484.2	427.8	351.7	288.1	474.0	350.8
150.46-	330.7	368.2	338.4	254.5	226.0	345.0	247.0
135.54-	296.0	316.3	310.5	212.7	205.2	303.2	212.4
120.61-	386.2	374.0	387.0	275.4	267.4	289.2	212.4
105.70-	403.7	403.0	410.3	310.2	295.0	338.0	260.9
90.76-	409.5	426.2	416.2	324.2	295.0	380.7	295.5
75.85-	344.6	374.0	369.4	254.5	246.7	345.0	260.9
60.93-	427.0	432.0	445.3	331.1	315.7	357.4	274.7
46.00-	427.0	432.0	439.5	324.2	315.7	380.7	295.5
31.09-	427.0	432.0	433.7	317.2	308.8	380.7	295.5
16.15-	432.8	437.8	439.5	331.1	315.7	421.5	323.2
1.24-	438.6	443.6	445.3	331.1	322.6	404.0	295.5
13.6A	450.2	455.2	462.9	351.7	329.6	427.3	330.2
28.61	456.1	461.0	462.9	338.1	336.5	444.8	344.0
43.52	456.1	466.8	468.7	351.7	336.5	427.3	323.2
58.46	444.4	455.2	457.0	338.1	322.6	409.9	302.4
73.37	444.4	455.2	451.2	338.1	322.6	415.7	316.3
88.29	450.2	461.0	457.0	351.7	322.6	439.0	344.0
103.22	461.9	466.8	457.0	351.7	322.6	433.2	330.2
118.13	456.1	466.8	462.9	345.1	329.6	456.5	344.0
133.07	456.1	466.8	462.9	345.1	322.6	462.3	350.8
147.9A	461.9	466.8	468.7	351.7	336.5	468.1	356.6
150.97	467.7	484.2	492.1	363.3	350.2	479.8	368.2
156.94	584.0	582.8	624.0	456.6	442.7	514.7	408.8
162.90	797.3	779.7	814.5	618.1	614.7	555.5	443.6
168.87	963.3	946.0	981.0	761.4	741.0	660.3	547.9
174.84	1051.	1059.	1078.	838.9	828.9	729.3	605.4
180.81	1114.	1149.	1145.	904.4	898.8	813.4	689.9
186.77	1208.	1256.	1253.	995.0	973.6	944.3	805.7
192.74	1286.	1356.	1340.	1072.	1042.	1033.	880.9
198.71	1386.	1457.	1447.	1172.	1132.	1130.	971.0
204.6A	1509.	1586.	1564.	1284.	1244.	1251.	1092.
210.65	1624.	1708.	1696.	1401.	1352.	1320.	1163.
225.5A	1874.	1973.	1959.	1635.	1582.	1583.	1418.
240.50	2130.	2237.	2221.	1885.	1821.	1823.	1649.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
255.42	2391.	2506.	2495.	2133.	2076.	2031.	1853.
270.35	2551.	2665.	2656.	2289.	2216.	2226.	2035.
285.26	2594.	2709.	2692.	2332.	2247.	2284.	2086.
300.19	2610.	2720.	2700.	2344.	2259.	2320.	2101.
315.11	2598.	2712.	2692.	2332.	2239.	2288.	2051.
330.03	2530.	2654.	2621.	2266.	2189.	2257.	2023.
344.96	2453.	2560.	2519.	2180.	2096.	2167.	1922.
359.87	2360.	2463.	2413.	2082.	1999.	2081.	1809.
389.72	2238.	2323.	2253.	1934.	1833.	1929.	1611.
419.57	2028.	2105.	2026.	1724.	1633.	1740.	1391.
449.41	1878.	1942.	1859.	1558.	1471.	1558.	1205.
479.25	1734.	1793.	1713.	1414.	1352.	1476.	1163.
509.09	1662.	1704.	1619.	1352.	1271.	1387.	1063.
538.94	1607.	1628.	1577.	1297.	1202.	1356.	1025.
568.79	1500.	1611.	1564.	1284.	1183.	1315.	986.1
598.63	1573.	1594.	1560.	1270.	1160.	1329.	1006.
628.47	1674.	1692.	1662.	1365.	1248.	1409.	1097.
658.31	1878.	1926.	1820.	1592.	1484.	1592.	1306.
688.16	1946.	2012.	1879.	1643.	1540.	1681.	1387.
718.01	1981.	2047.	2014.	1694.	1582.	1710.	1422.
747.85	2005.	2074.	2022.	1720.	1616.	1638.	1347.
777.69	2000.	2070.	2022.	1715.	1624.	1642.	1338.
807.53	2013.	2070.	2006.	1720.	1624.	1642.	1324.
809.52	2000.	2074.	2010.	1711.	1620.	1651.	1324.
815.49	2000.	2074.	2006.	1720.	1616.	1647.	1324.
821.46	1903.	2054.	1987.	1690.	1607.	1638.	1324.
827.43	1946.	2016.	1943.	1643.	1544.	1553.	1224.
833.39	1931.	1996.	1940.	1622.	1527.	1515.	1177.
835.39	1923.	1988.	1943.	1626.	1531.	1587.	1261.
837.38	1910.	1985.	1932.	1613.	1531.	1562.	1224.
839.36	1923.	1992.	1943.	1622.	1531.	1617.	1288.
841.36	1931.	1988.	1951.	1618.	1536.	1625.	1297.
843.35	1902.	1981.	1936.	1609.	1523.	1562.	1228.
845.33	1911.	1981.	1936.	1609.	1527.	1519.	1186.
847.33	1923.	1985.	1943.	1613.	1540.	1515.	1177.
849.32	1950.	2012.	1994.	1652.	1569.	1532.	1200.
851.30	2013.	2058.	2057.	1703.	1637.	1536.	1200.
853.30	2036.	2101.	2100.	1749.	1683.	1566.	1233.
855.29	2098.	2152.	2167.	1804.	1742.	1566.	1233.
857.27	2208.	2264.	2272.	1926.	1837.	1655.	1342.

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	-----DEGREES FAHRENHEIT-----						
859.26	2247.	2311.	2315.	1953.	1885.	1676.	1369.
861.26	2286.	2350.	2362.	2008.	1929.	1749.	1457.
863.24	2293.	2373.	2374.	2012.	1949.	1795.	1523.
865.23	2332.	2416.	2417.	2055.	1987.	1828.	1569.
867.23	2348.	2443.	2425.	2067.	1991.	1864.	1603.
869.21	2375.	2471.	2444.	2098.	2030.	1876.	1624.
871.20	2403.	2502.	2405.	2125.	2057.	1913.	1662.
873.20	2434.	2537.	2527.	2160.	2088.	1933.	1679.
875.18	2465.	2568.	2550.	2192.	2115.	1941.	1696.
877.17	2488.	2591.	2589.	2215.	2138.	1960.	1717.
879.17	2496.	2603.	2597.	2215.	2154.	1976.	1729.
881.15	2496.	2611.	2613.	2215.	2158.	1984.	1742.
883.13	2520.	2634.	2625.	2227.	2177.	2011.	1780.
885.13	2531.	2642.	2633.	2250.	2181.	2011.	1776.
887.12	2547.	2654.	2641.	2258.	2189.	2015.	1772.
889.10	2550.	2665.	2664.	2274.	2212.	2031.	1793.
891.10	2563.	2685.	2684.	2278.	2216.	2034.	1780.
893.09	2582.	2689.	2684.	2297.	2228.	2019.	1763.
895.07	2586.	2701.	2688.	2297.	2228.	2019.	1763.
897.07	2590.	2701.	2696.	2301.	2232.	2034.	1772.
899.06	2598.	2705.	2704.	2309.	2243.	2038.	1784.
905.03	2570.	2689.	2672.	2285.	2212.	2034.	1772.
911.00	2551.	2665.	2652.	2250.	2189.	2038.	1755.
916.97	2547.	2654.	2641.	2238.	2177.	2034.	1751.
922.94	2512.	2626.	2605.	2215.	2146.	2034.	1751.
928.91	2406.	2607.	2601.	2207.	2138.	2034.	1755.
934.87	2402.	2599.	2593.	2192.	2127.	2042.	1751.
940.84	2481.	2591.	2582.	2180.	2115.	2038.	1746.
946.81	2481.	2587.	2578.	2180.	2115.	2034.	1742.
952.78	2481.	2579.	2574.	2188.	2107.	2031.	1725.
958.74	2426.	2544.	2507.	2137.	2065.	2015.	1713.
964.71	2406.	2509.	2492.	2090.	2030.	1999.	1683.
970.68	2383.	2490.	2476.	2074.	2007.	1968.	1653.
976.65	2356.	2459.	2425.	2039.	1980.	1933.	1620.
982.61	2328.	2439.	2413.	2031.	1960.	1929.	1603.
988.58	2317.	2424.	2398.	2027.	1952.	1905.	1577.
994.55	2300.	2412.	2386.	2024.	1952.	1905.	1577.
1000.52	2305.	2404.	2390.	2012.	1945.	1917.	1582.
1006.49	2297.	2401.	2382.	2008.	1941.	1913.	1573.
1012.46	2280.	2397.	2370.	2008.	1933.	1884.	1556.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1018.43	2286.	2385.	2366.	1996.	1925.	1884.	1539.
1020.42	2274.	2381.	2358.	1996.	1925.	1884.	1544.
1050.26	2243.	2342.	2319.	1965.	1897.	1828.	1497.
1080.11	2254.	2354.	2331.	1973.	1905.	1852.	1514.
1109.96	2231.	2331.	2292.	1945.	1885.	1844.	1518.
1139.80	2266.	2354.	2331.	1981.	1909.	1856.	1531.
1169.64	2305.	2397.	2390.	2016.	1949.	1884.	1552.
1199.48	2371.	2463.	2468.	2078.	2022.	1948.	1649.
1229.33	2442.	2541.	2535.	2160.	2088.	2034.	1751.
1259.18	2473.	2579.	2578.	2188.	2119.	2120.	1833.
1289.02	2524.	2626.	2629.	2246.	2162.	2163.	1857.
1318.86	2543.	2642.	2637.	2246.	2166.	2156.	1857.
1348.70	2531.	2642.	2633.	2250.	2169.	2140.	1837.
1378.55	2547.	2638.	2633.	2242.	2169.	2136.	1841.
1408.40	2531.	2638.	2629.	2242.	2173.	2132.	1837.
1438.24	2520.	2630.	2621.	2231.	2162.	2109.	1801.
1440.23	2531.	2642.	2645.	2250.	2173.	2128.	1825.
1455.14	2640.	2755.	2708.	2364.	2243.	2386.	2124.
1470.08	2680.	2779.	2731.	2375.	2282.	2370.	2074.
1484.99	2676.	2771.	2735.	2367.	2270.	2382.	2101.
1499.92	2680.	2779.	2735.	2375.	2266.	2374.	2093.
1514.84	2688.	2783.	2735.	2387.	2274.	2382.	2089.
1529.75	2688.	2791.	2739.	2387.	2270.	2382.	2086.
1544.69	2684.	2783.	2747.	2379.	2274.	2378.	2074.
1559.60	2680.	2779.	2747.	2375.	2274.	2382.	2086.
1589.45	2680.	2783.	2735.	2379.	2270.	2390.	2086.
1619.30	2637.	2744.	2712.	2332.	2235.	2366.	2066.
1649.14	2621.	2724.	2676.	2309.	2220.	2355.	2051.
1678.97	2594.	2701.	2668.	2281.	2200.	2335.	2019.
1708.82	2555.	2662.	2613.	2246.	2154.	2288.	1977.
1738.67	2492.	2595.	2546.	2180.	2088.	2230.	1922.
1768.52	2403.	2498.	2433.	2090.	2003.	2132.	1801.
1798.36	2286.	2377.	2315.	1988.	1893.	2027.	1679.
1828.19	2141.	2222.	2151.	1840.	1759.	1909.	1548.
1858.04	2036.	2109.	2037.	1715.	1649.	1770.	1382.
1887.89	1862.	1930.	1855.	1545.	1445.	1634.	1228.
1917.74	1687.	1734.	1653.	1361.	1225.	1471.	1035.
1947.58	1500.	1531.	1447.	1172.	1023.	1292.	885.9
1977.41	1300.	1306.	1230.	990.0	828.9	1106.	705.7
2007.26	1061.	1044.	970.9	761.4	604.1	899.0	547.9

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-44	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
2050.04	654.3	610.7	550.4	410.0	301.9	623.2	337.1
2079.89	456.1	397.2	360.4	247.5	212.2	462.3	233.1
2109.73	351.3	302.4	248.6	170.9	156.9	363.3	170.8
2139.57	268.2	226.2	212.8	150.0	133.5	303.2	150.0
2169.41	226.5	191.6	177.9	133.3	125.2	254.4	141.7
2199.26	198.7	170.8	164.0	125.0	108.7	226.6	125.1
2229.11	177.9	156.9	150.0	116.7	100.4	198.7	116.9
2251.98	170.8	150.0	150.0	108.3	108.7	184.8	116.9

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
-----DEGREES FAHRENHEIT-----					
239.98-	91.38	81.75	90.62	108.7	108.3
225.07-	91.38	91.00	90.62	108.7	108.3
210.15-	100.5	150.0	108.3	108.7	116.6
195.22-	108.7	385.9	150.0	117.0	108.3
180.31-	315.5	1524.	303.5	191.4	133.3
165.37-	425.1	571.7	486.3	408.1	150.0
150.46-	459.7	302.6	439.6	425.4	170.9
135.54-	287.9	226.3	392.9	408.1	198.8
120.61-	198.3	233.3	392.9	373.4	219.8
105.70-	163.8	330.4	398.7	361.8	254.7
90.76-	156.9	438.1	410.4	367.6	268.6
75.85-	150.0	281.8	416.3	373.4	282.6
60.93-	177.6	344.3	433.8	367.6	303.5
46.00-	212.1	344.3	439.6	373.4	310.5
31.09-	267.3	330.4	445.5	385.0	331.4
16.15-	315.5	374.3	457.1	390.7	345.4
1.24-	336.2	368.4	463.0	396.5	363.7
13.68	361.6	409.1	474.7	408.1	375.4
28.61	378.9	409.1	480.5	408.1	387.0
43.52	378.9	409.1	492.2	425.4	398.7
58.46	384.6	409.1	498.0	437.0	410.4
73.37	396.2	420.7	492.2	442.8	422.1
88.29	436.6	432.3	503.9	442.8	427.9
103.22	453.9	420.7	503.9	454.3	439.6
118.13	477.0	420.7	509.7	460.1	451.3
133.07	494.3	426.5	515.5	460.1	463.0
147.98	505.9	426.5	515.5	465.9	468.8
150.97	511.6	443.9	515.5	465.9	468.8
156.94	529.0	496.2	527.2	471.7	468.8
162.90	529.0	571.7	585.6	483.2	486.3
168.87	534.7	732.8	661.4	494.8	503.8
174.84	557.8	846.6	746.4	523.7	533.0
180.81	580.9	957.0	829.9	569.9	568.1
186.77	614.2	1093.	910.6	635.8	613.5
192.74	656.2	1206.	991.4	714.7	666.7
198.71	687.7	1321.	1074.	798.9	730.5
204.68	703.5	1423.	1174.	913.9	799.6
210.65	719.3	1524.	1276.	1028.	880.3
225.58	729.8	1752.	1535.	1339.	1117.
240.50	735.0	2084.	1802.	1679.	1390.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
255.42	735.0	2294.	2062.	1953.	1688.
270.35	766.6	2465.	2203.	2189.	1967.
285.26	782.3	2524.	2208.	2313.	2136.
300.19	787.6	2543.	2461.	2387.	2226.
315.11	798.1	2524.	2477.	2402.	2277.
330.03	803.2	2477.	2453.	2391.	2292.
344.96	792.8	2387.	2406.	2340.	2273.
359.87	782.3	2263.	2343.	2271.	2222.
389.72	740.3	2088.	2197.	2065.	2112.
419.57	703.5	1896.	2030.	1897.	1983.
449.41	693.0	1659.	1904.	1746.	1871.
479.25	677.2	1428.	1773.	1612.	1764.
509.09	666.7	1575.	1688.	1527.	1675.
538.94	714.0	1549.	1628.	1489.	1603.
568.79	740.3	1520.	1604.	1445.	1548.
598.63	740.3	1537.	1569.	1427.	1522.
628.47	853.0	1647.	1624.	1458.	1539.
658.31	912.9	1859.	1777.	1599.	1641.
688.16	1012.	1920.	1884.	1725.	1769.
718.01	1060.	1955.	1924.	1772.	1819.
747.85	1168.	1955.	1956.	1797.	1859.
777.69	1178.	1959.	1960.	1797.	1867.
807.53	1210.	1955.	1964.	1801.	1884.
809.52	1216.	1959.	1964.	1801.	1880.
815.49	1220.	1955.	1968.	1801.	1884.
821.46	1247.	1947.	1960.	1801.	1884.
827.43	1220.	1880.	1940.	1784.	1880.
833.39	1220.	1831.	1920.	1763.	1880.
835.39	1247.	1831.	1916.	1755.	1880.
837.38	1242.	1799.	1912.	1751.	1880.
839.36	1247.	1823.	1908.	1742.	1880.
841.36	1230.	1823.	1908.	1734.	1884.
843.35	1238.	1790.	1904.	1730.	1884.
845.33	1238.	1769.	1900.	1730.	1884.
847.33	1220.	1769.	1900.	1725.	1888.
849.32	1238.	1803.	1900.	1721.	1884.
851.30	1265.	1827.	1908.	1717.	1884.
853.30	1265.	1855.	1924.	1717.	1892.
855.29	1265.	1892.	1944.	1730.	1896.
857.27	1274.	1975.	1971.	1734.	1900.

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	-----DEGREES FAHRENHEIT-----				
859.24	1292.	2018.	2003.	1759.	1912.
861.24	1301.	2068.	2026.	1772.	1920.
863.24	1292.	2088.	2058.	1801.	1940.
865.23	1310.	2123.	2081.	1829.	1956.
867.23	1306.	2146.	2105.	1857.	1983.
869.21	1320.	2173.	2124.	1889.	1995.
871.20	1333.	2201.	2148.	1910.	2014.
873.20	1333.	2216.	2163.	1937.	2030.
875.18	1320.	2232.	2191.	1957.	2050.
877.17	1320.	2259.	2214.	1984.	2069.
879.17	1333.	2263.	2238.	2003.	2085.
881.15	1347.	2275.	2250.	2023.	2105.
883.13	1356.	2286.	2265.	2046.	2132.
885.13	1320.	2294.	2281.	2061.	2148.
887.12	1351.	2302.	2300.	2077.	2167.
889.10	1356.	2317.	2308.	2088.	2183.
891.10	1377.	2313.	2316.	2100.	2202.
893.09	1377.	2310.	2328.	2116.	2214.
895.07	1386.	2310.	2340.	2123.	2226.
897.07	1395.	2317.	2343.	2131.	2234.
899.06	1390.	2329.	2351.	2139.	2242.
905.03	1404.	2290.	2363.	2158.	2269.
911.00	1408.	2275.	2359.	2162.	2285.
916.97	1408.	2271.	2359.	2162.	2289.
922.94	1404.	2259.	2355.	2154.	2296.
928.91	1408.	2259.	2347.	2158.	2300.
934.87	1390.	2259.	2340.	2147.	2296.
940.84	1404.	2255.	2340.	2147.	2300.
946.81	1404.	2263.	2332.	2143.	2300.
952.78	1426.	2278.	2336.	2143.	2296.
958.74	1404.	2247.	2336.	2154.	2300.
964.71	1386.	2228.	2308.	2139.	2292.
970.68	1391.	2189.	2293.	2119.	2281.
976.65	1391.	2166.	2281.	2100.	2269.
982.61	1417.	2162.	2265.	2077.	2253.
988.58	1390.	2134.	2250.	2061.	2238.
994.55	1421.	2119.	2238.	2046.	2226.
1000.52	1408.	2130.	2230.	2042.	2218.
1006.49	1404.	2123.	2226.	2034.	2214.
1012.46	1421.	2107.	2218.	2026.	2210.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
-----DEGREES FAHRENHEIT-----					
1018.43	1421.	2099.	2214.	2019.	2199.
1020.42	1417.	2099.	2214.	2015.	2199.
1050.26	1424.	2057.	2175.	1976.	2167.
1080.11	1470.	2064.	2171.	1968.	2159.
1109.96	1534.	2050.	2163.	1964.	2159.
1139.80	1543.	2076.	2175.	1972.	2167.
1169.64	1614.	2119.	2191.	1992.	2183.
1199.48	1639.	2189.	2241.	2054.	2226.
1229.33	1600.	2286.	2324.	2119.	2289.
1259.18	1757.	2333.	2363.	2178.	2336.
1289.02	1791.	2372.	2402.	2212.	2367.
1318.86	1870.	2364.	2418.	2240.	2394.
1348.70	1907.	2352.	2422.	2243.	2406.
1378.55	1980.	2352.	2422.	2240.	2414.
1408.40	2044.	2341.	2418.	2236.	2422.
1438.24	2121.	2321.	2414.	2236.	2430.
1440.23	2117.	2345.	2414.	2236.	2433.
1455.14	2144.	2633.	2500.	2352.	2430.
1470.08	2183.	2649.	2500.	2367.	2410.
1484.00	2175.	2653.	2500.	2364.	2418.
1499.02	2218.	2653.	2500.	2371.	2418.
1514.84	2214.	2657.	2504.	2352.	2422.
1529.75	2170.	2653.	2512.	2375.	2433.
1544.69	2170.	2657.	2516.	2356.	2437.
1559.60	2183.	2641.	2508.	2352.	2441.
1589.45	2183.	2641.	2512.	2364.	2437.
1619.30	2191.	2610.	2492.	2348.	2433.
1649.14	2191.	2590.	2469.	2329.	2418.
1678.97	2160.	2570.	2453.	2313.	2406.
1708.82	2163.	2528.	2426.	2278.	2383.
1738.67	2090.	2458.	2371.	2228.	2324.
1768.52	2051.	2348.	2285.	2158.	2261.
1798.36	2036.	2216.	2199.	2065.	2187.
1828.19	1962.	2092.	2085.	1972.	2093.
1858.04	1911.	1936.	1975.	1865.	2014.
1887.89	1851.	1807.	1855.	1751.	1916.
1917.74	1782.	1621.	1696.	1612.	1814.
1947.58	1711.	1415.	1535.	1454.	1671.
1977.41	1652.	1192.	1358.	1298.	1530.
2007.26	1457.	946.9	1165.	1128.	1372.

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	-----DEGREES FAHRENHEIT-----				
2050.04	1097.	548.4	829.9	853.9	1127.
2079.89	942.8	302.6	608.2	656.8	961.1
2109.73	529.0	198.6	468.8	506.3	829.9
2139.57	253.5	170.8	363.7	390.7	703.9
2169.41	191.4	150.0	206.6	322.7	602.9
2199.26	170.7	133.4	254.7	267.4	515.5
2229.11	156.9	116.8	212.8	239.8	445.4
2251.98	150.0	125.1	108.8	212.2	398.7

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
239.98-	235.3	230.4	201.8	157.7	201.9	123.8
225.07-	232.7	230.4	201.8	160.3	201.9	123.8
210.15-	230.2	230.4	201.8	160.3	201.9	123.8
195.22-	230.2	230.4	199.2	157.7	201.9	126.5
180.31-	232.7	230.4	199.2	160.3	201.9	129.1
165.37-	230.2	230.4	199.2	162.9	201.9	134.3
150.46-	232.7	233.0	204.4	170.7	204.5	144.8
135.54-	235.3	235.6	207.0	181.0	204.5	150.0
120.61-	237.9	235.6	209.6	196.5	212.3	157.8
105.70-	240.5	238.2	212.2	209.4	220.0	168.2
90.76-	243.1	238.2	214.8	224.9	225.2	176.0
75.85-	245.7	240.8	220.0	235.2	230.4	183.8
60.93-	248.3	243.4	222.6	245.6	238.2	191.6
46.00-	250.8	246.0	227.7	255.9	243.4	196.8
31.09-	256.0	248.6	232.9	266.2	251.2	204.6
16.15-	258.6	251.2	238.1	276.5	256.4	209.8
1.24-	261.2	253.8	243.3	287.1	264.1	220.2
13.68	266.4	256.3	248.5	300.6	271.9	230.6
28.61	271.5	258.9	253.7	311.3	277.1	235.8
43.52	274.1	261.5	261.4	324.8	285.1	241.0
58.46	279.3	264.1	266.6	338.2	293.2	248.8
73.37	284.6	266.7	271.8	346.2	304.0	254.0
88.29	292.7	271.9	277.0	359.7	312.1	261.8
103.22	298.1	277.1	282.3	370.4	320.2	267.0
118.13	303.5	279.7	290.3	378.4	328.3	272.2
133.07	311.5	285.1	295.7	391.6	339.1	280.0
147.98	319.6	290.5	301.1	402.2	349.8	285.4
150.97	319.6	290.5	303.8	402.2	349.8	288.1
156.94	322.3	293.2	306.5	407.5	352.5	290.8
162.90	325.0	295.9	309.2	412.8	357.9	296.2
168.87	330.4	295.9	311.9	415.5	363.3	298.9
174.84	330.4	301.3	314.6	423.5	363.3	304.4
180.81	333.0	304.0	317.3	428.8	368.7	312.5
186.77	338.4	306.7	320.0	436.7	374.1	320.6
192.74	341.1	309.4	322.7	444.7	379.4	328.7
198.71	343.8	312.1	325.4	455.3	384.7	342.2
204.68	349.2	314.8	330.8	468.5	387.4	353.0
210.65	354.6	317.5	333.5	484.2	395.4	366.6
225.58	370.7	328.2	347.0	539.0	414.0	414.7
240.50	391.9	347.1	365.8	615.6	438.0	483.8

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	T-17	T-18	T-19	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----					
255.42	424.4	376.7	392.5	724.7	472.6	562.5
270.35	474.2	424.7	435.1	864.3	514.5	677.5
285.26	536.8	490.9	495.8	1025.	574.3	807.8
300.19	621.3	576.9	576.5	1181.	645.7	935.1
315.11	710.2	671.1	643.1	1321.	729.8	1059.
330.03	799.1	757.8	754.7	1439.	819.0	1165.
344.96	872.7	826.6	831.1	1522.	905.6	1247.
359.87	930.8	877.5	890.7	1579.	981.1	1308.
389.72	1004.	928.2	945.3	1637.	1082.	1448.
419.57	1021.	930.7	980.3	1637.	1132.	1492.
449.41	1011.	915.6	947.8	1606.	1145.	1482.
479.25	988.5	890.3	942.6	1556.	1135.	1445.
509.09	963.4	862.3	914.9	1504.	1117.	1403.
538.94	935.8	839.3	897.1	1452.	1092.	1356.
568.79	913.2	818.9	861.7	1402.	1062.	1319.
598.63	895.6	803.6	843.8	1368.	1042.	1285.
628.47	885.4	796.0	831.1	1342.	1021.	1265.
658.31	888.0	796.0	829.6	1342.	1016.	1275.
688.16	900.7	808.7	841.3	1386.	1021.	1316.
718.01	928.3	831.7	859.1	1436.	1039.	1369.
747.85	958.4	859.7	887.1	1486.	1074.	1413.
777.69	988.5	885.2	907.4	1519.	1102.	1448.
807.53	1011.	908.0	930.0	1548.	1130.	1466.
809.52	1014.	908.0	930.0	1548.	1130.	1469.
815.49	1016.	913.1	935.1	1551.	1135.	1471.
821.46	1021.	913.1	937.6	1556.	1143.	1479.
827.43	1024.	918.1	940.1	1559.	1148.	1482.
833.39	1031.	923.1	942.6	1561.	1150.	1484.
835.39	1031.	923.1	945.1	1564.	1155.	1487.
837.38	1031.	925.6	947.6	1566.	1155.	1484.
839.36	1034.	925.6	947.6	1569.	1155.	1487.
841.36	1034.	925.6	947.6	1566.	1160.	1487.
843.35	1034.	925.6	947.6	1572.	1163.	1490.
845.33	1034.	928.2	950.2	1572.	1160.	1490.
847.33	1030.	930.7	950.2	1572.	1163.	1490.
849.32	1030.	933.2	950.2	1574.	1163.	1492.
851.30	1044.	933.2	952.7	1574.	1166.	1495.
853.30	1041.	930.7	952.7	1577.	1168.	1495.
855.29	1041.	933.2	955.2	1577.	1168.	1498.
857.27	1044.	935.7	955.2	1579.	1171.	1498.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
859.26	1040.	935.7	955.2	1579.	1171.	1500.
861.26	1046.	935.7	955.2	1582.	1173.	1503.
863.24	1040.	938.2	957.7	1585.	1176.	1505.
865.23	1051.	940.7	957.7	1587.	1176.	1505.
867.23	1054.	943.3	957.7	1590.	1176.	1508.
869.21	1054.	943.3	957.7	1593.	1178.	1511.
871.20	1054.	943.3	957.7	1595.	1183.	1516.
873.20	1050.	945.8	960.2	1598.	1186.	1519.
875.18	1050.	948.3	962.7	1603.	1186.	1524.
877.17	1064.	950.8	962.7	1606.	1186.	1526.
879.17	1064.	953.3	962.7	1611.	1188.	1534.
881.15	1060.	953.3	962.7	1616.	1191.	1540.
883.13	1060.	955.9	965.3	1621.	1194.	1545.
885.13	1071.	960.9	967.8	1626.	1194.	1550.
887.12	1074.	963.4	967.8	1632.	1194.	1558.
889.10	1081.	965.9	970.3	1637.	1196.	1563.
891.10	1081.	965.9	970.3	1642.	1201.	1571.
893.09	1084.	968.4	972.8	1650.	1201.	1576.
895.07	1080.	973.5	977.8	1655.	1206.	1584.
897.07	1091.	978.5	977.8	1663.	1206.	1592.
899.06	1094.	978.5	977.8	1671.	1209.	1600.
905.03	1107.	991.1	997.9	1692.	1216.	1618.
911.00	1117.	998.6	992.9	1713.	1227.	1642.
916.97	1120.	1009.	997.9	1732.	1237.	1663.
922.94	1142.	1021.	1008.	1751.	1247.	1676.
928.91	1152.	1031.	1018.	1770.	1257.	1694.
934.87	1165.	1041.	1026.	1787.	1270.	1708.
940.84	1172.	1049.	1033.	1800.	1280.	1722.
946.81	1180.	1057.	1041.	1814.	1293.	1733.
952.78	1190.	1064.	1048.	1822.	1303.	1744.
958.74	1198.	1072.	1056.	1836.	1311.	1749.
964.71	1203.	1077.	1063.	1844.	1321.	1760.
970.68	1210.	1084.	1066.	1850.	1329.	1766.
976.65	1216.	1089.	1073.	1858.	1337.	1768.
982.61	1221.	1092.	1078.	1861.	1345.	1771.
988.58	1223.	1097.	1083.	1861.	1350.	1774.
994.55	1224.	1099.	1086.	1863.	1358.	1771.
1000.52	1231.	1102.	1088.	1863.	1366.	1774.
1006.40	1236.	1104.	1091.	1863.	1366.	1771.
1012.46	1236.	1107.	1096.	1863.	1371.	1768.

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	T-17	T-18	T-19	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----					
1018.43	1241.	1110.	1099.	1863.	1376.	1766.
1020.42	1241.	1112.	1099.	1861.	1376.	1768.
1050.24	1240.	1120.	1106.	1855.	1389.	1763.
1080.11	1250.	1127.	1114.	1847.	1397.	1749.
1109.96	1264.	1135.	1121.	1847.	1405.	1752.
1139.80	1274.	1150.	1132.	1852.	1413.	1752.
1169.64	1280.	1160.	1144.	1861.	1424.	1763.
1199.48	1307.	1178.	1157.	1877.	1437.	1782.
1229.33	1325.	1199.	1177.	1904.	1452.	1807.
1259.18	1344.	1221.	1200.	1938.	1471.	1840.
1289.02	1370.	1244.	1223.	1969.	1494.	1870.
1318.86	1398.	1270.	1246.	1997.	1515.	1898.
1348.70	1422.	1295.	1271.	2020.	1541.	1917.
1378.55	1448.	1316.	1292.	2039.	1568.	1940.
1408.40	1472.	1342.	1315.	2059.	1591.	1949.
1438.24	1400.	1366.	1336.	2079.	1615.	1968.
1440.23	1400.	1368.	1341.	2079.	1617.	1968.
1455.14	1513.	1384.	1354.	2087.	1628.	1977.
1470.08	1520.	1400.	1367.	2093.	1644.	1977.
1484.90	1542.	1416.	1388.	2099.	1657.	1980.
1499.92	1553.	1431.	1412.	2107.	1665.	1983.
1514.84	1563.	1447.	1430.	2113.	1675.	1988.
1529.75	1577.	1457.	1446.	2116.	1683.	1994.
1544.69	1581.	1468.	1459.	2125.	1691.	2002.
1559.60	1586.	1478.	1472.	2134.	1696.	2005.
1589.45	1600.	1494.	1490.	2137.	1707.	2011.
1619.30	1610.	1505.	1506.	2146.	1718.	2014.
1649.14	1613.	1512.	1514.	2143.	1723.	2011.
1678.97	1618.	1515.	1517.	2143.	1726.	2011.
1708.82	1618.	1518.	1517.	2134.	1726.	2000.
1738.67	1613.	1510.	1511.	2119.	1723.	1985.
1768.52	1507.	1497.	1501.	2090.	1710.	1957.
1798.36	1570.	1481.	1485.	2051.	1693.	1912.
1828.19	1560.	1460.	1459.	2009.	1672.	1873.
1858.04	1520.	1434.	1435.	1961.	1651.	1821.
1887.89	1507.	1410.	1407.	1907.	1623.	1768.
1917.74	1460.	1376.	1378.	1850.	1591.	1711.
1947.58	1430.	1340.	1336.	1787.	1557.	1647.
1977.41	1388.	1298.	1294.	1713.	1515.	1568.
2007.26	1341.	1252.	1246.	1632.	1468.	1482.

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CHECK	Hepp	7/27/11				72-80085
APR						PAGE 4.02
APR						3-145
CONTRACT NO.						

TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
2050.04	1247.	1168.	1154.	1488.	1366.	1332.
2079.89	1167.	1099.	1096.	1368.	1285.	1222.
2109.73	1114.	1029.	1016.	1247.	1201.	1109.
2139.57	1008.	950.8	940.1	1126.	1107.	980.5
2169.41	925.8	880.1	866.8	997.5	1006.	874.2
2199.24	860.0	821.5	805.7	882.0	918.2	766.9
2229.11	804.2	773.1	752.2	780.6	839.4	669.8
2251.98	766.1	737.4	716.5	714.6	785.9	611.1

CALC	07/03/1		REVISED	DATE	LEADING EDGE TEST LT-5-417-2-1 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RIJN 02 BOEING AIRPLANE COMPANY	Vol. III
CHECK	<i>Step</i>	7/27/1				22-80055
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APR						
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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-21, T-22, & T-23 = $\pm 45^{\circ}$ F.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}$ F.

THERMOCOUPLE NO.

PAGE

T-10, T-11, C-4M, T-12, T-13, T-14, T-15

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C-3M, C-5M, T-16, T-20, T-24

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T-17, T-18, T-19, T-21, T-22, T-23

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CAIC	Reynolds	7/25/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 03 BOEING AIRPLANE COMPANY	Vol. III
CHECK	Stopp	7/25/1				D2-80085
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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
239.99-	72.42	72.74	63.06	62.87	63.42	72.42	63.42
225.04-	63.17	72.74	72.32	62.87	63.42	63.17	72.64
236.01-	53.02	63.53	63.06	72.13	81.85	72.42	63.42
221.09-	63.17	72.74	72.32	72.13	63.42	72.42	72.64
206.14-	392.0	368.0	254.3	317.3	116.3	150.0	163.9
191.25-	415.2	414.3	289.1	331.2	330.2	163.9	184.6
176.32-	485.0	501.2	330.9	386.8	385.6	205.6	219.3
161.40-	502.4	524.3	344.8	398.5	385.6	219.5	233.2
146.48-	514.1	541.7	351.5	410.1	397.2	254.2	274.7
131.55-	525.7	559.1	363.1	421.8	408.8	268.1	281.7
116.64-	543.1	575.5	363.1	433.5	420.4	268.1	281.7
101.71-	583.8	615.5	386.4	462.6	455.2	295.9	281.7
86.79-	617.1	636.6	403.9	480.1	478.4	295.9	302.4
71.87-	578.0	610.2	380.6	445.1	437.8	302.8	323.2
56.94-	606.5	636.6	388.0	474.3	466.8	330.6	344.0
42.03-	670.0	699.9	438.8	526.8	519.0	337.6	330.2
27.10-	701.8	726.2	467.9	550.2	548.0	337.6	337.1
12.18-	691.2	731.5	450.4	544.3	542.2	344.5	337.1
2.74	707.1	742.0	462.1	550.2	548.0	362.9	350.8
17.67	728.2	742.0	462.1	561.8	548.0	362.9	344.0
32.58	712.3	742.0	462.1	556.0	553.8	380.3	374.0
47.51	722.9	752.6	456.3	556.0	548.0	368.7	356.6
62.43	701.8	742.0	444.6	538.5	536.4	374.5	350.8
77.35	707.1	742.0	456.3	550.2	542.2	380.3	356.6
92.28	717.6	742.0	456.3	561.8	559.6	380.3	374.0
107.19	733.5	763.1	462.1	573.5	565.4	391.9	374.0
122.12	733.5	768.4	467.9	573.5	565.4	391.9	368.2
137.04	744.1	773.7	467.9	585.2	571.2	386.1	374.0
150.96	754.7	789.5	473.7	585.2	577.0	391.9	374.0
156.93	775.9	810.1	508.6	618.4	610.7	403.6	408.8
162.90	832.4	875.1	578.5	671.5	668.8	432.6	455.2
168.87	1161.	1176.	707.8	980.4	976.1	485.0	495.8
174.84	1207.	1246.	888.4	1030.	1035.	554.7	582.8
180.81	1200.	1346.	900.0	1092.	1111.	638.2	668.8
186.78	1372.	1425.	1091.	1168.	1182.	738.8	763.8
192.75	1451.	1530.	1194.	1262.	1270.	837.3	865.9
198.72	1517.	1606.	1287.	1344.	1324.	952.9	941.0
204.69	1581.	1677.	1373.	1384.	1382.	1104.	1068.
210.66	1674.	1766.	1475.	1477.	1462.	1203.	1149.
225.57	1860.	1987.	1756.	1669.	1658.	1456.	1396.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
240.51	2043.	2185.	1998.	1862.	1825.	1699.	1586.
255.42	2261.	2406.	2252.	2079.	2039.	1973.	1829.
270.34	2472.	2635.	2505.	2314.	2253.	2152.	1981.
285.27	2565.	2733.	2595.	2408.	2342.	2218.	2058.
300.18	2624.	2768.	2650.	2447.	2385.	2261.	2082.
315.12	2632.	2780.	2627.	2463.	2393.	2257.	2070.
320.08	2628.	2768.	2607.	2447.	2385.	2250.	2054.
349.92	2565.	2686.	2478.	2341.	2288.	2129.	1902.
379.77	2445.	2554.	2279.	2204.	2171.	1957.	1721.
409.62	2308.	2398.	2092.	2044.	2031.	1808.	1539.
439.47	2164.	2251.	1912.	1906.	1894.	1631.	1365.
469.30	2047.	2111.	1760.	1763.	1763.	1487.	1228.
499.14	1940.	2014.	1646.	1665.	1666.	1403.	1172.
528.99	1857.	1912.	1548.	1576.	1573.	1336.	1102.
558.84	1792.	1848.	1475.	1508.	1510.	1304.	1073.
588.60	1771.	1823.	1475.	1495.	1488.	1272.	1054.
618.52	1788.	1844.	1510.	1516.	1510.	1336.	1121.
648.36	1934.	2002.	1701.	1674.	1666.	1487.	1279.
678.21	2000.	2165.	1893.	1841.	1833.	1606.	1431.
708.06	2144.	2220.	1939.	1894.	1878.	1674.	1457.
737.91	2174.	2262.	1971.	1919.	1906.	1653.	1435.
767.74	2170.	2262.	1967.	1911.	1910.	1576.	1351.
797.58	2168.	2251.	1951.	1906.	1898.	1572.	1342.
809.52	2170.	2262.	1959.	1923.	1910.	1564.	1342.
815.49	2170.	2262.	1955.	1923.	1910.	1576.	1342.
821.46	2170.	2262.	1959.	1927.	1910.	1589.	1351.
827.43	2187.	2262.	1959.	1919.	1910.	1576.	1351.
833.40	2148.	2231.	1912.	1874.	1878.	1478.	1214.
835.39	2152.	2231.	1904.	1870.	1878.	1465.	1191.
837.39	2137.	2212.	1905.	1862.	1866.	1478.	1224.
839.37	2121.	2200.	1887.	1845.	1858.	1521.	1292.
841.35	2105.	2188.	1875.	1821.	1837.	1474.	1261.
843.35	2101.	2181.	1855.	1817.	1825.	1469.	1265.
845.34	2101.	2181.	1867.	1833.	1837.	1509.	1320.
847.32	2100.	2196.	1887.	1850.	1845.	1521.	1320.
849.32	2137.	2204.	1916.	1878.	1866.	1513.	1311.
851.31	2117.	2196.	1899.	1862.	1849.	1509.	1297.
853.29	2100.	2196.	1899.	1854.	1845.	1517.	1301.
855.29	2100.	2192.	1895.	1845.	1845.	1538.	1342.
857.28	2100.	2192.	1895.	1850.	1845.	1555.	1347.

CALL	0770371	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 03 BOEING AIRPLANE COMPANY	Ud. III
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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
859.26	2133.	2220.	1832.	1882.	1874.	1606.	1422.
861.24	2183.	2262.	1894.	1942.	1926.	1674.	1501.
863.25	2211.	2289.	2053.	1985.	1969.	1695.	1527.
865.23	2254.	2340.	2111.	2025.	2008.	1754.	1594.
867.22	2281.	2375.	2162.	2068.	2047.	1800.	1641.
869.22	2308.	2406.	2213.	2095.	2074.	1841.	1658.
871.20	2332.	2429.	2256.	2118.	2101.	1845.	1683.
873.19	2370.	2476.	2302.	2154.	2144.	1861.	1670.
875.19	2400.	2515.	2357.	2212.	2183.	1906.	1725.
877.17	2304.	2503.	2338.	2189.	2163.	1910.	1721.
879.14	2413.	2530.	2377.	2204.	2191.	1902.	1751.
881.14	2420.	2554.	2404.	2232.	2210.	1930.	1772.
883.14	2454.	2573.	2423.	2251.	2230.	1942.	1776.
885.13	2474.	2592.	2451.	2275.	2249.	1930.	1789.
887.13	2490.	2612.	2470.	2287.	2261.	1949.	1809.
889.11	2515.	2639.	2505.	2310.	2292.	1949.	1817.
891.09	2530.	2659.	2529.	2330.	2303.	1949.	1793.
893.09	2542.	2674.	2541.	2349.	2323.	1965.	1809.
895.08	2546.	2678.	2544.	2357.	2319.	1957.	1813.
897.06	2550.	2682.	2544.	2353.	2331.	1969.	1829.
899.06	2554.	2682.	2544.	2361.	2335.	1965.	1829.
905.03	2593.	2717.	2603.	2388.	2373.	1984.	1801.
911.00	2620.	2737.	2615.	2416.	2381.	1973.	1821.
916.96	2612.	2733.	2607.	2400.	2381.	1988.	1825.
922.93	2600.	2729.	2607.	2408.	2385.	1981.	1813.
928.90	2612.	2733.	2603.	2404.	2381.	1977.	1821.
934.87	2554.	2678.	2529.	2341.	2327.	1945.	1801.
940.83	2562.	2686.	2529.	2357.	2338.	1969.	1809.
946.80	2550.	2674.	2521.	2337.	2319.	1945.	1797.
952.77	2538.	2667.	2505.	2334.	2315.	1945.	1809.
958.74	2530.	2659.	2482.	2318.	2300.	1906.	1789.
964.71	2503.	2620.	2443.	2283.	2268.	1808.	1746.
970.68	2526.	2647.	2463.	2302.	2292.	1825.	1725.
976.65	2491.	2612.	2404.	2263.	2257.	1837.	1692.
982.62	2476.	2585.	2381.	2247.	2241.	1813.	1675.
988.59	2472.	2585.	2377.	2232.	2237.	1833.	1666.
994.56	2452.	2573.	2353.	2228.	2214.	1837.	1654.
1000.53	2448.	2565.	2357.	2212.	2222.	1853.	1670.
1006.50	2420.	2550.	2330.	2204.	2210.	1833.	1649.
1012.47	2433.	2546.	2326.	2201.	2202.	1825.	1628.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1018.44	242 ^F .	2546.	2 ^F 18.	2197.	2198.	1853.	1654.
1020.42	2421.	2538.	2 ^F 22.	2201.	2191.	1841.	1645.
1050.27	240 ^F .	2507.	22 ^F 7.	2161.	2163.	1813.	1594.
1080.12	240 ^F .	2515.	22 ^F 3.	2173.	2160.	1813.	1620.
1109.94	237 ^F .	2480.	22 ^F 6.	2134.	2132.	1813.	1624.
1139.79	240 ^F .	2499.	22 ^F 7.	2177.	2167.	1813.	1637.
1169.64	2421.	2526.	2 ^F 18.	2201.	2195.	1845.	1654.
1199.49	2456.	2573.	23 ^F 7.	2244.	2230.	1906.	1730.
1229.34	251 ^F .	2632.	24 ^F 51.	2302.	2284.	1938.	1813.
1259.1 ^F	2542.	2651.	24 ^F 08.	2318.	2292.	2055.	1886.
1289.01	2546.	2674.	2 ^F 29.	2334.	2307.	2023.	1898.
1318.86	254 ^F .	2678.	2 ^F 29.	2330.	2303.	2047.	1906.
1348.71	258 ^F .	2725.	2 ^F 76.	2392.	2362.	2004.	1882.
1378.56	256 ^F .	2710.	2 ^F 60.	2377.	2346.	1984.	1898.
1408.40	255 ^F .	2702.	2 ^F 56.	2377.	2350.	2000.	1890.
1438.23	256 ^F .	2706.	2 ^F 48.	2369.	2342.	1981.	1886.
1440.23	256 ^F .	2710.	2 ^F 52.	2384.	2350.	1984.	1926.
1455.15	262 ^F .	2760.	2 ^F 03.	2435.	2397.	2140.	2175.
1470.07	268 ^F .	2827.	2 ^F 50.	2498.	2447.	2094.	2109.
1485.00	269 ^F .	2839.	2 ^F 46.	2494.	2459.	2027.	2101.
1499.91	270 ^F .	2839.	2 ^F 42.	2490.	2451.	1949.	2113.
1514.84	270 ^F .	2839.	2 ^F 50.	2494.	2459.	2062.	2128.
1529.76	269 ^F .	2835.	2 ^F 54.	2502.	2463.	2144.	2113.
1544.6 ^F	269 ^F .	2839.	2 ^F 50.	2513.	2459.	2098.	2124.
1559.61	271 ^F .	2839.	2 ^F 50.	2506.	2463.	1984.	2128.
1589.45	270 ^F .	2839.	2 ^F 42.	2502.	2459.	2296.	2113.
1619.29	269 ^F .	2835.	2 ^F 39.	2486.	2455.	2211.	2036.
1649.13	266 ^F .	2803.	2 ^F 07.	2459.	2428.	2074.	2066.
1678.9 ^F	264 ^F .	2788.	2 ^F 05.	2443.	2408.	1984.	2058.
1708.83	262 ^F .	2749.	2 ^F 41.	2392.	2373.	1910.	2000.
1738.67	259 ^F .	2721.	2494.	2373.	2335.	1712.	1930.
1768.51	253 ^F .	2659.	2423.	2294.	2288.	1657.	1789.
1798.35	243 ^F .	2554.	2291.	2197.	2179.	1555.	1713.
1828.20	232 ^F .	2429.	2139.	2068.	2055.	1403.	1561.
1858.05	225 ^F .	2355.	2049.	1985.	1973.	1322.	1409.
1887.80	2113.	2212.	1993.	1850.	1829.	1272.	1311.
1917.73	1922.	1998.	1650.	1627.	1616.	1109.	1163.
1947.57	1690.	1779.	1408.	1406.	1387.	1070.	1025.
1977.42	1504.	1568.	1208.	1192.	1107.	1017.	875.9
2007.27	1304.	1336.	999.0	985.4	990.9	998.1	700.5

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TIME SEC.	3-2	7-2	3-7	3-3	7-3	3-4	7-4
	T-10	T-11	C-4M	T-12	T-13	T-14	T-15
	-----DEGREES FAHRENHEIT-----						
2037.11	1027.	1043.	729.8	724.6	647.7	722.9	490.0
2066.95	670.0	689.3	431.0	392.6	350.8	508.2	337.1
2096.70	490.8	466.4	275.2	247.6	219.3	357.1	247.0
2126.64	397.8	379.5	233.5	205.8	184.6	288.9	198.5
2156.49	344.5	316.1	191.7	170.9	156.9	247.3	177.7
2186.33	289.0	260.7	184.8	150.0	150.0	184.7	150.0
2216.17	247.3	219.2	177.8	141.7	133.4	163.9	150.0
2246.01	226.4	191.5	150.0	125.0	116.8	150.0	133.4
2250.90	212.5	191.5	150.0	133.3	125.1	150.0	133.4

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CHECK	<i>Stop</i>	<i>1/11/1</i>				22-80085
APP						PAGE 5.00
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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
239.99-	72.01	63.34	62.81	72.74	72.19
225.06-	72.01	72.58	62.81	81.94	72.19
236.01-	72.01	72.58	62.81	72.74	72.19
221.09-	82.11	72.58	62.81	72.74	72.19
206.14-	205.2	226.3	66.94	81.94	72.19
191.25-	212.2	254.0	150.0	116.9	81.47
176.32-	219.1	302.6	191.8	150.0	108.3
161.40-	260.5	316.4	247.6	177.7	125.0
146.48-	281.2	344.2	303.5	212.3	150.0
131.55-	281.2	350.9	351.9	253.8	163.9
116.64-	295.0	362.5	375.3	281.5	184.8
101.71-	336.5	385.7	404.4	309.2	205.7
86.79-	373.4	403.2	433.6	330.0	226.6
71.87-	315.7	397.3	457.0	356.4	254.5
56.94-	336.5	409.0	468.7	373.8	275.4
42.03-	367.6	438.0	492.0	391.1	289.3
27.10-	396.5	449.6	521.2	408.5	310.2
12.18-	367.6	449.6	538.7	431.7	331.1
2.74	384.9	455.4	562.1	443.3	363.3
17.67	408.0	461.2	573.7	454.9	369.2
32.58	396.5	472.8	585.4	466.4	386.7
47.51	408.0	461.2	597.1	478.0	398.3
62.43	390.7	461.2	602.7	483.8	415.8
77.35	419.6	455.4	602.7	489.6	427.5
92.28	402.3	467.0	613.3	495.4	439.1
107.19	425.4	484.4	618.6	501.2	450.8
122.12	442.7	478.6	634.5	507.0	462.5
137.04	477.4	484.4	634.5	512.8	474.1
150.96	489.0	484.4	645.2	518.6	485.8
156.93	581.4	496.0	655.8	530.1	491.6
162.90	714.6	554.0	661.1	530.1	491.6
168.87	813.9	722.0	693.0	553.3	514.9
174.84	893.8	795.9	740.8	576.5	526.6
180.81	1056.	866.3	804.4	610.2	549.9
186.78	1118.	941.5	869.9	657.7	584.9
192.75	1216.	1035.	940.5	715.7	612.8
198.72	1289.	1196.	1030.	784.3	665.9
204.69	1304.	1334.	1107.	870.1	724.2
210.66	1510.	1432.	1192.	965.2	787.9
225.57	1780.	1667.	1429.	1232.	1000.

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TIME SEC.	7-6 C-3P	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
-----DEGREES FAHRENHEIT-----					
240.51	194F.	1943.	1675.	1538.	1275.
255.42	2204.	2172.	1924.	1844.	1558.
270.34	2420.	2398.	2170.	2099.	1845.
285.27	2522.	2484.	2343.	2270.	2070.
300.18	2560.	2534.	2421.	2352.	2184.
315.12	2540.	2523.	2456.	2383.	2242.
320.08	2530.	2484.	2452.	2383.	2250.
349.92	2402.	2347.	2417.	2340.	2238.
379.77	2200.	2168.	2299.	2212.	2141.
409.62	2014.	1997.	2178.	2088.	2027.
439.47	1800.	1781.	2049.	1936.	1897.
469.30	1666.	1659.	1935.	1819.	1779.
499.14	1561.	1532.	1842.	1715.	1694.
528.99	1480.	1432.	1751.	1622.	1613.
558.84	1418.	1383.	1700.	1576.	1562.
588.69	1436.	1392.	1679.	1559.	1537.
618.52	1498.	1449.	1679.	1559.	1528.
648.36	1670.	1616.	1751.	1627.	1579.
678.21	1820.	1810.	1800.	1783.	1703.
708.06	1860.	1822.	1863.	1856.	1788.
737.91	1917.	1842.	2002.	1896.	1836.
767.74	1917.	1846.	2018.	1904.	1861.
797.58	1897.	1834.	2010.	1892.	1857.
809.52	1901.	1854.	2010.	1896.	1865.
815.49	1905.	1846.	2014.	1896.	1865.
821.46	1905.	1854.	2014.	1896.	1869.
827.43	1880.	1863.	2018.	1900.	1873.
833.40	1877.	1743.	2006.	1892.	1869.
835.30	1865.	1726.	1908.	1880.	1869.
837.39	1860.	1739.	1908.	1868.	1861.
839.37	1860.	1731.	1986.	1860.	1861.
841.35	1873.	1692.	1986.	1860.	1861.
843.35	1873.	1684.	1979.	1848.	1857.
845.34	1860.	1701.	1975.	1840.	1853.
847.32	1897.	1714.	1971.	1836.	1853.
849.32	1925.	1718.	1967.	1832.	1853.
851.31	1937.	1701.	1967.	1832.	1857.
853.29	1952.	1697.	1971.	1832.	1857.
855.29	1964.	1705.	1967.	1828.	1857.
857.28	1968.	1714.	1967.	1832.	1861.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
-----DEGREES FAHRENHEIT-----					
859.26	2007.	1752.	1971.	1928.	1961.
861.26	2030.	1806.	1979.	1936.	1969.
863.25	2092.	1846.	1990.	1944.	1969.
865.23	2158.	1907.	2002.	1964.	1981.
867.22	2224.	1939.	2029.	1880.	1897.
869.22	2284.	1982.	2045.	1904.	1914.
871.20	2352.	1997.	2076.	1924.	1930.
873.19	2387.	2028.	2096.	1952.	1953.
875.19	2414.	2059.	2127.	1971.	1984.
877.17	2441.	2059.	2151.	2002.	2004.
879.16	2480.	2091.	2174.	2022.	2027.
881.16	2495.	2122.	2190.	2041.	2047.
883.14	2511.	2133.	2209.	2060.	2067.
885.13	2540.	2149.	2233.	2084.	2094.
887.13	2565.	2161.	2249.	2107.	2113.
889.11	2580.	2180.	2268.	2123.	2129.
891.09	2592.	2180.	2288.	2138.	2152.
893.09	2600.	2192.	2303.	2154.	2168.
895.08	2604.	2196.	2315.	2165.	2188.
897.06	2596.	2200.	2331.	2177.	2195.
899.06	2604.	2207.	2339.	2185.	2211.
905.03	2627.	2215.	2366.	2212.	2246.
911.00	2627.	2227.	2382.	2231.	2270.
916.96	2611.	2207.	2389.	2243.	2289.
922.93	2611.	2196.	2393.	2243.	2293.
928.90	2611.	2192.	2397.	2251.	2301.
934.87	2608.	2149.	2393.	2247.	2305.
940.83	2596.	2176.	2386.	2243.	2309.
946.80	2600.	2172.	2386.	2243.	2305.
952.77	2604.	2165.	2382.	2243.	2317.
958.74	2560.	2157.	2374.	2239.	2313.
964.71	2540.	2130.	2366.	2231.	2305.
970.68	2534.	2133.	2362.	2224.	2301.
976.65	2472.	2106.	2346.	2212.	2289.
982.62	2441.	2079.	2327.	2192.	2270.
988.59	2406.	2071.	2319.	2181.	2254.
994.56	2394.	2032.	2307.	2161.	2246.
1000.53	2390.	2036.	2299.	2157.	2231.
1006.50	2387.	2017.	2288.	2142.	2223.
1012.47	2370.	2005.	2280.	2138.	2219.

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	-----DEGREES FAHRENHEIT-----				
1018.44	2371.	2013.	2272.	2134.	2215.
1020.42	2350.	2005.	2276.	2130.	2207.
1050.27	2297.	1962.	2249.	2099.	2180.
1080.12	2332.	1970.	2249.	2095.	2176.
1109.96	2317.	1939.	2241.	2091.	2180.
1139.79	2352.	1974.	2237.	2091.	2180.
1169.64	2375.	1993.	2264.	2111.	2207.
1199.49	2433.	2059.	2299.	2150.	2238.
1229.34	2490.	2145.	2354.	2204.	2289.
1259.18	2557.	2192.	2389.	2255.	2336.
1289.01	2588.	2227.	2421.	2290.	2371.
1318.86	2584.	2254.	2433.	2309.	2387.
1348.71	2600.	2258.	2440.	2328.	2399.
1378.56	2592.	2246.	2452.	2332.	2407.
1408.40	2592.	2242.	2452.	2321.	2414.
1438.23	2502.	2207.	2456.	2328.	2430.
1440.23	2592.	2223.	2460.	2324.	2430.
1455.15	2511.	2410.	2499.	2391.	2442.
1470.07	2487.	2515.	2562.	2472.	2453.
1485.00	2487.	2523.	2573.	2491.	2469.
1499.91	2491.	2526.	2581.	2499.	2469.
1514.84	2487.	2526.	2589.	2499.	2473.
1529.76	2401.	2523.	2589.	2507.	2473.
1544.68	2401.	2523.	2589.	2503.	2485.
1559.61	2495.	2523.	2593.	2503.	2477.
1589.45	2483.	2519.	2589.	2511.	2481.
1619.29	2487.	2495.	2589.	2499.	2477.
1649.13	2491.	2491.	2581.	2484.	2481.
1678.98	2495.	2452.	2562.	2468.	2465.
1708.83	2445.	2414.	2534.	2437.	2442.
1738.67	2367.	2355.	2499.	2402.	2399.
1768.51	2250.	2246.	2448.	2348.	2348.
1798.35	2154.	2168.	2366.	2262.	2270.
1828.20	2030.	2028.	2264.	2177.	2184.
1858.05	1913.	1895.	2186.	2084.	2106.
1887.89	1776.	1769.	2069.	1987.	2016.
1917.73	1595.	1540.	1928.	1860.	1910.
1947.57	1374.	1365.	1764.	1715.	1783.
1977.42	1183.	1178.	1602.	1580.	1664.
2007.27	933.7	956.5	1416.	1407.	1528.

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	-----DEGREES FAHRENHEIT-----				
2037.11	698.9	679.7	1197.	1209.	1379.
2066.95	460.0	350.9	925.4	1005.	1224.
2096.79	350.2	212.4	698.3	815.1	1072.
2126.64	281.2	177.7	562.1	684.1	964.8
2156.49	219.1	150.0	468.7	599.7	854.0
2186.33	184.5	141.7	404.4	518.6	761.4
2216.17	156.9	133.4	351.9	454.9	671.2
2246.01	150.0	125.1	296.5	402.7	596.5
2250.99	150.0	116.8	296.5	391.1	584.9

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
239.99-	76.07	76.91	76.79	74.33	76.70	76.72
225.06-	76.07	76.91	76.79	77.03	76.70	76.72
236.01-	74.27	74.20	74.07	74.33	73.99	74.01
221.09-	74.27	74.20	74.07	74.33	73.99	74.01
206.16-	74.27	74.20	74.07	74.33	73.99	76.72
191.25-	76.07	74.20	76.79	79.74	79.41	87.30
176.32-	87.50	79.61	79.50	92.76	87.28	103.0
161.40-	92.71	82.24	84.74	111.0	95.12	116.0
146.48-	100.5	84.84	89.96	129.2	108.2	129.1
131.55-	108.3	90.05	97.79	144.8	121.3	139.5
116.64-	116.1	95.27	105.6	157.8	134.3	150.0
101.71-	126.6	100.5	110.8	173.3	147.4	157.8
86.79-	134.4	105.7	116.1	188.8	157.8	168.2
71.87-	144.8	108.3	126.5	206.9	170.8	178.6
56.94-	150.0	116.1	136.9	225.0	183.8	186.3
42.03-	157.8	123.9	147.4	240.5	196.7	196.7
27.10-	168.1	129.1	150.0	256.0	209.7	204.5
12.18-	175.9	137.0	157.8	271.5	222.7	212.3
2.74	183.6	144.8	169.2	284.6	233.1	217.5
17.67	191.4	150.0	173.3	298.1	246.1	222.7
32.58	190.2	150.0	183.7	311.5	256.5	230.5
47.51	209.5	155.2	189.9	325.0	266.9	238.3
62.43	217.3	163.0	196.7	335.7	274.7	246.1
77.35	227.6	170.7	204.5	349.2	285.3	251.3
92.28	235.4	178.5	214.9	359.9	298.8	259.0
107.19	245.7	186.3	222.6	373.3	309.6	269.4
122.12	256.1	194.0	230.4	386.6	317.7	279.8
137.04	263.9	201.8	240.8	397.2	328.5	282.5
150.96	271.6	212.2	248.6	407.9	339.3	293.3
156.93	274.2	212.2	253.8	413.2	344.7	296.0
162.90	282.1	217.3	256.4	418.5	347.4	298.7
168.87	282.1	219.9	261.5	423.8	350.1	304.1
174.84	287.4	222.5	264.1	429.1	355.5	309.5
180.81	290.1	225.1	266.7	434.4	360.9	317.6
186.78	295.5	230.3	271.9	442.4	363.6	323.0
192.75	300.9	235.5	274.5	450.3	369.0	328.4
198.72	303.6	238.1	279.7	461.0	374.3	339.2
204.69	309.0	240.7	282.4	471.6	379.7	352.7
210.66	314.4	245.8	287.8	484.6	385.0	366.2
225.57	330.5	258.8	301.3	536.8	403.7	408.9

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TIME SEC.	4-5	8-5	4-6	8-6	4-7	8-7
	T-17	T-18	T-19	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----					
240.51	352.0	276.9	320.2	603.5	425.0	470.3
255.42	381.5	305.4	344.5	602.4	457.0	556.8
270.34	421.4	349.5	392.1	811.8	406.6	661.4
285.27	482.3	416.3	439.0	953.4	546.4	789.0
300.18	560.6	498.2	511.9	1104.	608.0	928.9
315.12	644.5	594.1	590.8	1238.	694.5	1060.
320.08	675.1	624.6	630.4	1282.	710.1	1098.
349.92	832.7	787.5	796.1	1466.	863.1	1271.
379.77	921.4	874.0	898.0	1553.	997.1	1354.
409.62	959.1	901.9	939.3	1568.	1053.	1364.
439.47	964.1	896.9	943.4	1542.	1078.	1322.
469.30	951.5	879.1	928.3	1495.	1080.	1268.
499.14	928.9	853.6	903.1	1445.	1065.	1215.
528.90	906.3	830.7	877.6	1393.	1045.	1161.
558.84	883.5	812.9	857.3	1351.	1020.	1118.
588.69	868.3	795.1	836.9	1315.	1002.	1085.
618.52	855.6	782.4	819.0	1292.	994.6	1073.
648.34	850.5	774.7	811.4	1287.	979.5	1070.
678.21	860.6	784.9	816.5	1310.	979.5	1088.
708.06	883.5	805.3	831.8	1357.	994.7	1146.
737.91	911.3	833.3	857.3	1404.	1022.	1202.
767.74	944.0	861.2	882.7	1443.	1050.	1225.
797.58	969.1	884.1	909.1	1472.	1080.	1251.
809.52	979.2	894.3	913.2	1479.	1090.	1261.
815.40	984.2	896.9	920.7	1485.	1098.	1266.
821.46	989.2	899.4	920.7	1487.	1101.	1276.
827.43	994.2	904.4	928.3	1492.	1106.	1284.
833.40	999.2	912.0	930.8	1500.	1111.	1296.
835.30	999.2	912.0	933.3	1498.	1113.	1299.
837.39	1002.	909.5	930.8	1500.	1118.	1304.
839.37	1002.	912.0	933.3	1503.	1121.	1304.
841.35	1004.	914.5	935.8	1506.	1118.	1304.
843.35	1007.	917.0	935.8	1506.	1118.	1307.
845.34	1007.	917.0	935.8	1506.	1121.	1312.
847.32	1000.	914.5	935.8	1508.	1126.	1315.
849.32	1007.	917.0	940.8	1511.	1126.	1312.
851.31	1012.	919.5	938.3	1511.	1126.	1312.
853.29	1000.	919.5	938.3	1511.	1129.	1317.
855.29	1014.	919.5	938.3	1511.	1131.	1322.
857.28	1012.	919.5	940.8	1513.	1131.	1322.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
859.26	1014.	922.0	940.8	1516.	1134.	1322.
861.26	1017.	924.6	940.8	1516.	1134.	1328.
863.25	1017.	922.0	940.8	1516.	1136.	1330.
865.23	1010.	924.6	943.4	1521.	1139.	1333.
867.22	1022.	927.1	945.9	1524.	1141.	1336.
869.22	1022.	927.1	945.9	1524.	1141.	1341.
871.20	1022.	927.1	943.4	1526.	1146.	1343.
873.19	1027.	929.6	945.9	1529.	1144.	1349.
875.19	1020.	932.1	948.4	1534.	1146.	1349.
877.17	1032.	934.6	948.4	1537.	1146.	1351.
879.16	1034.	937.1	948.4	1539.	1149.	1351.
881.16	1034.	937.1	948.4	1542.	1151.	1359.
883.14	1034.	939.6	950.9	1550.	1154.	1364.
885.13	1030.	942.1	953.4	1555.	1154.	1370.
887.13	1042.	944.7	953.4	1558.	1154.	1372.
889.11	1044.	947.2	953.4	1563.	1157.	1380.
891.00	1047.	947.2	956.0	1573.	1164.	1385.
893.09	1040.	952.2	961.0	1579.	1164.	1393.
895.08	1054.	954.7	961.0	1584.	1164.	1396.
897.06	1057.	957.2	961.0	1592.	1167.	1404.
899.06	1060.	959.7	963.5	1600.	1172.	1414.
905.03	1072.	969.8	971.1	1620.	1177.	1435.
911.00	1082.	982.4	981.1	1644.	1187.	1456.
916.96	1092.	989.9	988.7	1667.	1197.	1480.
922.93	1105.	1000.	993.7	1688.	1210.	1503.
928.90	1120.	1015.	1006.	1707.	1218.	1519.
934.87	1128.	1025.	1016.	1729.	1230.	1540.
940.83	1140.	1033.	1024.	1742.	1243.	1558.
946.80	1153.	1045.	1031.	1756.	1253.	1574.
952.77	1161.	1053.	1042.	1773.	1264.	1590.
958.74	1168.	1060.	1049.	1783.	1276.	1603.
964.71	1176.	1065.	1054.	1794.	1286.	1619.
970.68	1186.	1075.	1064.	1805.	1294.	1627.
976.65	1191.	1078.	1069.	1816.	1304.	1634.
982.62	1190.	1085.	1074.	1819.	1312.	1640.
988.59	1204.	1090.	1082.	1822.	1320.	1640.
994.56	1200.	1095.	1087.	1827.	1328.	1637.
1000.53	1211.	1098.	1089.	1830.	1339.	1634.
1006.50	1216.	1101.	1092.	1830.	1341.	1637.
1012.47	1222.	1106.	1097.	1827.	1344.	1634.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
1018.44	1224.	1108.	1102.	1830.	1349.	1632.
1020.42	1224.	1108.	1099.	1827.	1352.	1634.
1050.27	1237.	1118.	1112.	1822.	1365.	1629.
1080.12	1244.	1128.	1122.	1819.	1375.	1621.
1109.96	1257.	1139.	1130.	1822.	1383.	1629.
1139.79	1265.	1149.	1140.	1830.	1394.	1637.
1169.64	1277.	1161.	1148.	1838.	1404.	1648.
1199.49	1290.	1172.	1161.	1855.	1417.	1666.
1229.34	1311.	1195.	1179.	1876.	1430.	1679.
1259.18	1332.	1217.	1201.	1910.	1449.	1706.
1289.01	1355.	1240.	1227.	1943.	1472.	1744.
1318.86	1381.	1266.	1250.	1966.	1499.	1777.
1348.71	1410.	1294.	1278.	1994.	1525.	1799.
1378.56	1436.	1320.	1306.	2014.	1548.	1818.
1408.40	1460.	1346.	1329.	2034.	1575.	1829.
1438.23	1488.	1369.	1353.	2053.	1601.	1857.
1440.23	1491.	1372.	1355.	2053.	1601.	1857.
1455.15	1504.	1385.	1366.	2062.	1614.	1873.
1470.07	1520.	1403.	1382.	2073.	1627.	1887.
1485.00	1533.	1422.	1405.	2084.	1640.	1892.
1499.91	1551.	1440.	1421.	2093.	1651.	1903.
1514.84	1562.	1453.	1442.	2101.	1661.	1915.
1529.76	1567.	1463.	1458.	2110.	1669.	1917.
1544.68	1577.	1474.	1471.	2116.	1674.	1923.
1559.61	1585.	1482.	1481.	2122.	1685.	1929.
1589.45	1596.	1500.	1502.	2131.	1693.	1937.
1619.29	1606.	1508.	1515.	2137.	1703.	1949.
1649.13	1614.	1518.	1523.	2140.	1714.	1960.
1678.98	1616.	1521.	1528.	2143.	1714.	1963.
1708.83	1614.	1518.	1523.	2137.	1717.	1957.
1738.67	1611.	1516.	1521.	2125.	1711.	1943.
1768.51	1598.	1505.	1510.	2104.	1703.	1903.
1798.35	1588.	1490.	1494.	2073.	1693.	1884.
1828.20	1567.	1471.	1473.	2034.	1674.	1846.
1858.05	1538.	1445.	1447.	1988.	1653.	1796.
1887.89	1509.	1416.	1416.	1938.	1627.	1747.
1917.73	1481.	1385.	1384.	1885.	1598.	1692.
1947.57	1436.	1343.	1337.	1822.	1561.	1634.
1977.42	1397.	1301.	1293.	1751.	1517.	1569.
2007.27	1345.	1253.	1242.	1683.	1475.	1498.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
2037.11	1280.	1189.	1176.	1594.	1412.	1398.
2066.95	1204.	1116.	1102.	1490.	1339.	1279.
2096.70	1130.	1045.	1026.	1372.	1258.	1166.
2126.64	1037.	937.1	864.9	1259.	1146.	1042.
2156.40	923.9	823.1	706.9	1132.	1027.	893.6
2186.33	822.5	721.3	584.6	993.5	906.4	755.8
2216.17	733.5	632.2	489.3	867.7	796.8	646.1
2246.01	657.3	563.5	416.7	758.4	705.0	556.8
2250.99	644.5	555.8	403.4	743.2	689.6	543.7

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-21, T-22, T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES $\pm 165^{\circ}\text{F}$

THERMOCOUPLE NO.

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T-10, T-11, C-4M, T-12, T-13, T-14, T-15

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C-3M, C-5M, T-16, T-20, T-24

3-169-3-173

T-17, T-18, T-19, T-21, T-22, T-23

3-174-3-178

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
239.99-	81.57	82.02	81.47	81.57	63.55	72.25	72.42
225.08-	81.57	82.02	72.19	81.57	63.55	81.51	72.42
225.22-	81.57	82.02	72.19	81.57	72.75	81.51	72.42
210.30-	133.4	125.2	116.7	116.7	108.6	116.7	133.4
195.38-	261.3	267.6	282.4	219.6	205.4	198.7	198.6
180.45-	247.4	281.4	268.4	212.6	198.4	261.4	261.2
165.54-	296.1	329.8	324.2	240.4	219.2	310.1	282.0
150.61-	310.0	350.5	324.2	240.4	226.1	317.1	275.1
135.69-	323.9	362.0	317.2	247.4	233.0	351.6	302.8
120.77-	337.8	379.4	351.7	261.3	239.9	369.1	330.6
105.84-	357.3	402.5	357.5	275.2	253.8	374.9	330.6
90.93-	368.9	419.9	386.7	289.1	260.7	386.6	337.6
76.00-	392.2	431.5	392.5	303.1	274.6	392.4	357.1
61.08-	403.9	448.8	421.6	310.0	274.6	398.2	357.1
46.16-	409.7	466.2	410.0	330.9	281.5	404.0	362.9
31.23-	421.3	466.2	433.3	317.0	295.3	409.9	368.7
16.32-	438.8	489.3	439.1	330.9	295.3	444.8	386.1
1.39-	444.6	495.1	450.8	337.8	295.3	444.8	391.9
13.53	462.1	518.3	462.5	351.5	309.2	462.3	397.8
28.45	467.9	524.1	468.3	363.1	309.2	462.3	403.6
43.38	479.6	535.6	474.1	363.1	316.1	462.3	409.4
58.29	491.2	547.2	485.8	380.6	323.0	485.6	421.0
73.22	502.8	564.6	514.9	386.4	336.8	491.4	432.6
88.14	497.0	558.8	491.6	374.8	323.0	474.0	415.2
103.06	485.4	553.0	497.4	368.9	316.1	468.1	421.0
117.99	485.4	547.2	485.8	363.1	309.2	479.8	421.0
132.90	479.6	547.2	485.8	368.9	316.1	468.1	409.4
147.83	497.0	558.8	509.1	374.8	316.1	479.8	426.8
150.81	502.8	570.3	520.8	368.9	323.0	485.6	438.5
156.78	543.6	625.7	618.1	421.3	373.7	508.9	467.5
162.75	644.1	725.8	713.6	502.8	443.2	590.5	554.7
168.72	744.8	849.6	849.0	607.0	535.9	623.2	611.7
174.69	848.2	964.6	969.8	691.8	631.3	692.1	670.0
180.66	938.7	1062.	1063.	771.3	710.3	745.2	733.5
186.63	1033.	1171.	1172.	873.3	784.2	843.6	812.2
192.60	1091.	1231.	1224.	923.6	830.0	914.1	882.6
198.57	1190.	1349.	1325.	1009.	910.0	1053.	978.0
204.54	1282.	1446.	1428.	1091.	1005.	1176.	1066.
210.51	1391.	1554.	1533.	1199.	1101.	1279.	1161.
225.42	1675.	1851.	1812.	1479.	1412.	1498.	1363.

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	-----DEGREES FAHRENHEIT-----						
240.34	1920.	2098.	2078.	1726.	1486.	1651.	1568.
255.27	2107.	2311.	2289.	1936.	1884.	1848.	1808.
270.18	2361.	2560.	2539.	2189.	2126.	1856.	1965.
285.12	2451.	2638.	2602.	2264.	2204.	1727.	2008.
300.03	2498.	2688.	2649.	2310.	2246.	1736.	2074.
314.95	2498.	2673.	2638.	2306.	2246.	1600.	2066.
329.88	2490.	2641.	2622.	2283.	2223.	1528.	1984.
344.79	2392.	2552.	2532.	2174.	2122.	1625.	1890.
359.73	2340.	2517.	2489.	2135.	2083.	1541.	1808.
389.56	2080.	2238.	2231.	1863.	1787.	1288.	1606.
419.40	1904.	2055.	2039.	1671.	1584.	1033.	1447.
449.25	1722.	1867.	1857.	1475.	1368.	949.3	1299.
479.10	1591.	1723.	1707.	1355.	1218.	944.3	1235.
508.95	1514.	1630.	1601.	1255.	1120.	1409.	1175.
538.78	1453.	1579.	1541.	1185.	1058.	1329.	1094.
568.62	1431.	1554.	1524.	1171.	1038.	1333.	1080.
598.47	1426.	1550.	1516.	1171.	1043.	1270.	1090.
628.32	1462.	1596.	1575.	1223.	1091.	1320.	1147.
658.17	1684.	1834.	1800.	1462.	1350.	1575.	1367.
688.00	1806.	1966.	1926.	1582.	1491.	1604.	1451.
717.84	1843.	1997.	1957.	1608.	1513.	1706.	1451.
747.69	1847.	1997.	1973.	1620.	1529.	1659.	1443.
777.54	1851.	2001.	1969.	1612.	1525.	1664.	1363.
807.39	1851.	1997.	1957.	1608.	1525.	1693.	1385.
809.37	1851.	1993.	1961.	1612.	1521.	1698.	1381.
815.34	1855.	2001.	1969.	1620.	1525.	1715.	1381.
821.31	1850.	2009.	1965.	1612.	1529.	1702.	1376.
827.28	1826.	1981.	1941.	1586.	1500.	1642.	1318.
833.25	1810.	1962.	1949.	1561.	1487.	1566.	1221.
835.23	1810.	1966.	1941.	1565.	1473.	1570.	1212.
837.22	1802.	1954.	1941.	1552.	1469.	1562.	1198.
839.22	1781.	1943.	1934.	1544.	1460.	1558.	1189.
841.20	1773.	1931.	1918.	1531.	1438.	1545.	1161.
843.19	1760.	1927.	1910.	1523.	1421.	1536.	1156.
845.19	1760.	1915.	1910.	1519.	1412.	1528.	1151.
847.17	1760.	1927.	1918.	1519.	1421.	1536.	1151.
849.16	1760.	1931.	1922.	1531.	1425.	1553.	1184.
851.16	1777.	1935.	1926.	1531.	1425.	1566.	1193.
853.14	1781.	1939.	1930.	1544.	1425.	1575.	1203.
855.13	1802.	1962.	1953.	1569.	1451.	1625.	1249.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
857.13	1826.	1978.	1961.	1586.	1460.	1659.	1281.
859.11	1847.	2009.	2000.	1616.	1491.	1693.	1340.
861.09	1867.	2040.	2031.	1658.	1521.	1770.	1434.
863.09	1891.	2063.	2070.	1688.	1555.	1811.	1478.
865.08	1924.	2113.	2117.	1735.	1614.	1884.	1585.
867.06	1909.	2175.	2188.	1794.	1681.	1897.	1610.
869.06	2053.	2234.	2235.	1855.	1761.	1905.	1614.
871.05	2123.	2300.	2301.	1932.	1856.	1945.	1648.
873.03	2154.	2331.	2317.	1963.	1900.	1937.	1648.
875.03	2221.	2397.	2387.	2025.	1975.	1952.	1682.
877.02	2236.	2412.	2407.	2049.	2002.	1980.	1708.
879.00	2244.	2420.	2407.	2049.	2006.	1984.	1716.
881.00	2318.	2494.	2465.	2123.	2076.	2007.	1750.
882.99	2353.	2525.	2508.	2150.	2118.	2011.	1763.
884.97	2361.	2532.	2516.	2162.	2107.	1995.	1767.
886.96	2388.	2556.	2543.	2182.	2157.	2011.	1771.
888.96	2408.	2571.	2539.	2201.	2153.	2027.	1784.
890.94	2412.	2575.	2559.	2197.	2165.	2031.	1788.
892.93	2408.	2583.	2567.	2205.	2169.	2027.	1775.
894.93	2420.	2583.	2567.	2213.	2184.	2007.	1750.
896.91	2447.	2610.	2586.	2232.	2200.	2023.	1771.
898.90	2467.	2626.	2610.	2248.	2212.	2027.	1780.
900.90	2478.	2634.	2618.	2264.	2235.	2034.	1792.
906.87	2502.	2665.	2641.	2291.	2254.	1999.	1729.
912.83	2533.	2688.	2657.	2303.	2278.	1984.	1737.
918.80	2498.	2653.	2618.	2271.	2239.	1964.	1716.
924.77	2470.	2626.	2594.	2252.	2215.	1968.	1725.
930.74	2450.	2622.	2594.	2232.	2215.	1972.	1729.
936.70	2392.	2560.	2539.	2166.	2157.	1964.	1720.
942.67	2385.	2544.	2524.	2146.	2130.	1988.	1725.
948.64	2377.	2536.	2512.	2154.	2118.	1984.	1725.
954.61	2361.	2513.	2500.	2135.	2107.	1964.	1703.
960.57	2340.	2505.	2489.	2127.	2095.	1905.	1703.
966.54	2326.	2478.	2469.	2096.	2072.	1799.	1665.
972.51	2322.	2470.	2457.	2092.	2064.	1791.	1640.
978.48	2271.	2424.	2418.	2053.	2025.	1774.	1614.
984.45	2236.	2393.	2391.	2014.	1990.	1799.	1568.
990.42	2205.	2369.	2371.	1975.	1955.	1799.	1555.
996.39	2197.	2354.	2364.	1971.	1944.	1823.	1547.
1002.36	2200.	2354.	2356.	1967.	1940.	1840.	1547.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1008.33	2193.	2350.	2344.	1967.	1928.	1823.	1551.
1014.30	2180.	2342.	2348.	1963.	1928.	1823.	1551.
1020.27	2197.	2342.	2344.	1967.	1928.	1844.	1547.
1050.12	2185.	2323.	2317.	1932.	1900.	1828.	1504.
1079.96	2143.	2311.	2305.	1920.	1876.	1795.	1496.
1109.79	2154.	2303.	2317.	1924.	1888.	1783.	1500.
1139.64	2123.	2284.	2285.	1904.	1847.	1815.	1542.
1169.49	2135.	2300.	2309.	1924.	1868.	1811.	1547.
1199.34	2248.	2404.	2399.	2033.	1998.	1864.	1653.
1229.18	2287.	2443.	2438.	2072.	2033.	1972.	1737.
1259.01	2381.	2532.	2516.	2162.	2122.	1999.	1796.
1288.86	2404.	2560.	2539.	2189.	2153.	2027.	1825.
1318.71	2430.	2599.	2582.	2236.	2188.	2070.	1853.
1338.60	2430.	2599.	2575.	2228.	2192.	2042.	1808.
1353.53	2427.	2595.	2567.	2236.	2192.	1945.	1833.
1368.45	2424.	2595.	2571.	2228.	2192.	2023.	1817.
1383.36	2435.	2595.	2582.	2228.	2192.	2046.	1813.
1398.30	2435.	2599.	2579.	2232.	2196.	2050.	1813.
1413.21	2435.	2595.	2582.	2240.	2200.	2031.	1833.
1428.14	2435.	2606.	2579.	2240.	2208.	2054.	1825.
1443.06	2450.	2638.	2590.	2271.	2227.	2089.	1853.
1457.97	2502.	2743.	2657.	2400.	2340.	2292.	2062.
1472.91	2584.	2665.	2661.	2388.	2332.	2273.	2051.
1487.82	2588.	2739.	2665.	2392.	2336.	2288.	2043.
1502.75	2588.	2743.	2661.	2388.	2340.	2245.	2047.
1517.67	2584.	2743.	2665.	2392.	2347.	2292.	2027.
1532.58	2580.	2747.	2665.	2388.	2336.	2300.	2031.
1547.52	2584.	2743.	2661.	2381.	2332.	2277.	2023.
1560.45	2580.	2743.	2665.	2377.	2332.	2288.	2020.
1590.29	2580.	2739.	2661.	2381.	2328.	2175.	2035.
1620.13	2592.	2739.	2653.	2381.	2324.	2183.	2020.
1649.97	2568.	2720.	2649.	2361.	2309.	2195.	2000.
1679.82	2500.	2677.	2606.	2303.	2258.	2152.	1977.
1709.67	2502.	2653.	2586.	2299.	2243.	2187.	1945.
1739.51	2424.	2579.	2500.	2209.	2157.	2136.	1881.
1770.35	2360.	2521.	2438.	2146.	2099.	2081.	1800.
1800.19	2232.	2369.	2289.	2006.	1959.	1991.	1674.
1830.03	2088.	2241.	2188.	1855.	1795.	1905.	1559.
1859.88	1887.	2036.	2008.	1650.	1538.	1749.	1429.
1889.73	1786.	1935.	1897.	1527.	1403.	1625.	1313.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1919.57	1667.	1806.	1766.	1395.	1246.	1553.	1179.
1949.41	1506.	1617.	1550.	1223.	1053.	1387.	1032.
1979.25	1328.	1415.	1320.	1047.	875.0	1237.	897.6
2009.10	1110.	1161.	1043.	828.1	673.4	1058.	744.1
2038.95	878.4	894.6	772.0	607.0	460.6	813.4	583.8
2068.79	622.9	625.7	514.9	368.9	274.6	526.4	397.8
2098.63	462.1	443.0	375.0	247.4	198.4	357.4	268.1
2128.47	380.6	362.0	289.3	191.7	150.0	268.4	205.6
2158.32	310.0	295.2	240.6	163.9	150.0	226.6	170.8
2188.17	282.2	253.7	212.7	150.0	125.2	191.8	156.9
2218.01	240.4	219.1	191.8	133.4	116.9	170.9	150.0
2247.85	212.6	198.4	170.9	125.0	108.6	150.0	133.4

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
239.99-	156.9	91.00	81.28	108.6	125.0
225.08-	108.6	81.75	90.57	108.6	116.7
225.22-	108.6	81.75	90.57	100.3	116.7
210.30-	116.9	108.5	90.57	100.3	108.3
195.38-	226.1	254.1	150.0	116.9	116.7
180.45-	281.4	295.7	198.9	133.4	108.3
165.54-	316.0	351.0	247.8	163.8	125.0
150.61-	336.8	344.3	296.7	198.4	141.7
135.69-	336.8	362.6	331.6	240.0	150.0
120.77-	362.1	380.1	363.8	274.6	170.9
105.84-	350.5	397.5	387.2	302.3	184.8
90.93-	356.3	391.7	398.9	323.0	212.7
76.00-	391.0	403.3	422.2	350.6	226.6
61.08-	420.0	409.1	445.6	368.0	254.5
46.16-	431.5	409.1	463.2	385.3	275.4
31.23-	425.7	420.7	469.0	402.7	305.3
16.32-	443.1	455.5	486.5	408.5	331.1
1.39-	420.0	467.2	504.1	437.5	345.1
13.53	477.8	473.0	515.8	449.1	363.3
28.45	466.3	490.4	533.3	460.6	375.0
43.38	477.8	484.6	545.0	478.0	392.5
58.29	472.1	525.2	556.7	489.6	404.2
73.22	472.1	542.6	574.2	501.2	427.5
88.14	477.8	502.0	580.1	518.6	439.1
103.06	495.2	496.2	580.1	524.3	450.8
117.99	483.6	478.8	580.1	530.1	468.3
132.90	477.8	467.2	574.2	524.3	474.1
147.83	501.0	478.8	580.1	535.9	479.9
150.81	535.7	478.8	585.9	530.1	491.6
156.78	668.0	502.0	591.7	530.1	491.6
162.75	736.5	642.9	608.4	541.7	503.3
168.72	869.8	695.8	651.0	559.1	509.1
174.60	974.8	806.5	704.2	592.3	532.4
180.66	1043.	886.7	762.8	620.8	561.6
186.63	1166.	1007.	825.3	668.2	596.5
192.60	1241.	1069.	890.9	736.8	639.3
198.57	1327.	1220.	961.6	805.1	687.1
204.54	1420.	1325.	1045.	895.1	745.5
210.51	1533.	1428.	1132.	1000.	823.8
225.42	1710.	1681.	1395.	1300.	1058.

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TIME SEC.	7-6	7-7	3-5	7-5	3-6
	C-3M	C-5M	T-16	T-20	T-24
	-----DEGREES FAHRENHEIT-----				
240.34	920.8	1920.	1680.	1601.	1339.
255.27	924.8	2134.	1941.	1892.	1664.
270.18	914.8	2298.	2164.	2119.	1941.
285.12	919.8	2348.	2341.	2293.	2137.
300.03	909.8	2438.	2415.	2367.	2246.
314.95	909.8	2438.	2451.	2410.	2305.
329.88	914.8	2411.	2454.	2406.	2321.
344.79	860.8	2321.	2411.	2371.	2324.
359.73	830.8	2294.	2376.	2332.	2305.
389.56	789.2	2064.	2223.	2188.	2203.
419.40	736.5	1867.	2078.	2041.	2070.
449.25	710.1	1697.	1921.	1892.	1945.
479.10	710.1	1583.	1791.	1779.	1824.
508.95	783.9	1472.	1702.	1677.	1720.
538.78	834.8	1401.	1612.	1584.	1647.
568.62	914.8	1388.	1587.	1534.	1601.
598.47	944.8	1406.	1548.	1517.	1579.
628.32	1062.	1459.	1505.	1538.	1584.
658.17	1110.	1697.	1731.	1669.	1677.
688.00	1199.	1799.	1864.	1815.	1820.
717.84	1268.	1823.	1917.	1868.	1881.
747.69	1205.	1827.	1941.	1892.	1910.
777.54	1272.	1803.	1933.	1884.	1922.
807.39	1394.	1831.	1945.	1888.	1930.
809.37	1380.	1823.	1941.	1892.	1934.
815.34	1385.	1831.	1945.	1888.	1934.
821.31	1398.	1819.	1945.	1900.	1938.
827.28	1407.	1727.	1941.	1884.	1941.
833.25	1407.	1681.	1929.	1864.	1926.
835.23	1411.	1689.	1921.	1864.	1938.
837.22	1425.	1693.	1917.	1856.	1934.
839.22	1428.	1689.	1913.	1844.	1934.
841.20	1420.	1672.	1913.	1840.	1938.
843.19	1420.	1672.	1905.	1836.	1938.
845.19	1442.	1685.	1901.	1827.	1934.
847.17	1451.	1702.	1889.	1827.	1934.
849.16	1420.	1719.	1889.	1823.	1938.
851.16	1420.	1723.	1885.	1819.	1934.
853.14	1420.	1752.	1885.	1815.	1938.
855.13	1433.	1823.	1889.	1823.	1938.

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	C-3M	C-5M	T-16	T-20	T-24
-----DEGREES FAHRENHEIT-----					
857.13	1433.	1855.	1893.	1827.	1941.
859.11	1442.	1900.	1905.	1840.	1938.
861.09	1451.	1944.	1917.	1844.	1949.
863.09	1460.	1959.	1925.	1860.	1961.
865.08	1473.	2010.	1941.	1876.	1973.
867.04	1482.	2025.	1969.	1904.	1984.
869.04	1495.	2060.	1992.	1916.	2000.
871.05	1499.	2084.	2023.	1948.	2024.
873.03	1490.	2076.	2059.	1971.	2043.
875.03	1521.	2111.	2086.	1994.	2059.
877.02	1521.	2115.	2117.	2021.	2082.
879.00	1520.	2123.	2149.	2045.	2106.
881.00	1542.	2158.	2172.	2068.	2125.
882.99	1537.	2166.	2200.	2091.	2141.
884.97	1542.	2123.	2223.	2103.	2164.
886.96	1533.	2142.	2247.	2122.	2180.
888.96	1550.	2138.	2266.	2142.	2199.
890.94	1550.	2146.	2282.	2157.	2211.
892.93	1563.	2142.	2298.	2169.	2227.
894.93	1575.	2142.	2306.	2181.	2242.
896.91	1571.	2158.	2313.	2188.	2254.
898.90	1575.	2169.	2329.	2200.	2262.
900.90	1580.	2169.	2329.	2208.	2274.
906.87	1584.	2150.	2364.	2231.	2301.
912.83	1601.	2166.	2388.	2258.	2321.
918.80	1634.	2127.	2388.	2258.	2340.
924.77	1630.	2127.	2394.	2262.	2352.
930.74	1656.	2123.	2380.	2262.	2352.
936.70	1626.	2092.	2368.	2254.	2356.
942.67	1630.	2119.	2353.	2247.	2344.
948.64	1630.	2107.	2353.	2251.	2348.
954.61	1660.	2107.	2345.	2247.	2340.
960.57	1647.	2123.	2341.	2251.	2348.
966.54	1647.	2095.	2333.	2235.	2344.
972.51	1656.	2072.	2321.	2223.	2340.
978.48	1668.	2033.	2309.	2208.	2336.
984.45	1677.	2010.	2286.	2192.	2324.
990.42	1681.	1994.	2266.	2165.	2317.
996.39	1681.	1983.	2255.	2157.	2305.
1002.36	1685.	1986.	2243.	2150.	2301.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
1008:33	1698.	1990.	2235.	2142.	2297.
1014:30	1698.	1975.	2231.	2134.	2289.
1020:27	1723.	1959.	2231.	2130.	2285.
1050:12	1744.	1936.	2204.	2107.	2266.
1079:96	1782.	1912.	2196.	2095.	2266.
1109:79	1803.	1912.	2184.	2080.	2258.
1139:64	1823.	1936.	2168.	2084.	2258.
1169:49	1863.	1955.	2200.	2095.	2270.
1199:34	1887.	2045.	2255.	2146.	2309.
1229:18	1928.	2099.	2302.	2200.	2344.
1259:01	1955.	2169.	2364.	2262.	2383.
1288:86	2040.	2189.	2400.	2293.	2414.
1318:71	2071.	2220.	2431.	2328.	2442.
1338:60	2083.	2220.	2439.	2328.	2450.
1353:53	2098.	2236.	2443.	2332.	2461.
1368:45	2125.	2197.	2439.	2332.	2461.
1383:36	2160.	2201.	2443.	2332.	2465.
1398:30	2180.	2189.	2451.	2332.	2469.
1413:21	2230.	2197.	2454.	2340.	2473.
1428:14	2242.	2201.	2462.	2336.	2485.
1443:06	2261.	2267.	2466.	2348.	2489.
1457:97	2305.	2450.	2537.	2441.	2496.
1472:91	2335.	2454.	2576.	2491.	2520.
1487:82	2362.	2458.	2592.	2495.	2528.
1502:75	2358.	2454.	2592.	2499.	2539.
1517:67	2330.	2442.	2596.	2507.	2539.
1532:58	2343.	2442.	2596.	2519.	2539.
1547:52	2331.	2434.	2596.	2507.	2539.
1560:45	2335.	2438.	2596.	2511.	2543.
1590:29	2327.	2446.	2596.	2511.	2539.
1620:13	2351.	2442.	2596.	2507.	2547.
1649:97	2335.	2411.	2588.	2495.	2536.
1679:82	2335.	2376.	2552.	2472.	2524.
1709:67	2323.	2364.	2541.	2460.	2516.
1739:51	2250.	2290.	2478.	2406.	2453.
1770:35	2226.	2201.	2435.	2355.	2403.
1800:19	2215.	2076.	2329.	2266.	2324.
1830:03	2172.	1916.	2243.	2185.	2285.
1859:88	2133.	1782.	2078.	2049.	2184.
1889:73	2094.	1621.	1976.	1944.	2098.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
1919.57	2021.	1459.	1864.	1827.	2008.
1949.41	1935.	1234.	1710.	1686.	1973.
1979.25	1883.	1055.	1544.	1542.	1720.
2009.10	1807.	841.6	1337.	1368.	1537.
2038.95	1592.	583.3	1108.	1185.	1352.
2068.79	1295.	267.9	880.8	980.2	1191.
2098.63	1124.	170.8	682.9	789.5	1039.
2128.47	668.0	150.0	568.4	657.7	914.4
2158.32	322.9	116.8	463.2	570.7	813.7
2188.17	226.1	116.8	387.2	501.2	713.6
2218.01	191.5	116.8	345.5	437.5	639.3
2247.85	170.7	100.2	296.7	396.9	573.2

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-----DEGREES FAHRENHEIT-----						
239.99-	232.8	240.6	214.8	160.3	196.8	118.6
225.08-	232.8	238.0	212.2	157.8	194.2	118.6
225.27-	225.1	230.2	204.5	150.0	189.0	110.8
210.30-	222.5	230.2	204.5	150.0	186.4	110.8
195.38-	222.5	227.6	204.5	150.0	186.4	113.4
180.45-	222.5	227.6	201.9	150.0	183.8	113.4
165.54-	219.9	227.6	201.9	150.0	183.8	118.6
150.61-	219.9	225.0	204.5	157.8	186.4	126.5
135.69-	222.5	227.6	204.5	168.1	189.0	139.5
120.77-	225.1	227.6	200.6	183.6	199.4	150.0
105.84-	230.2	232.8	212.2	204.3	209.8	165.6
90.93-	232.8	230.2	214.8	222.4	222.9	176.0
76.00-	238.0	232.8	220.0	238.0	230.7	186.3
61.08-	240.6	235.4	225.2	248.3	241.1	194.1
46.16-	245.8	238.0	230.4	261.2	251.5	204.5
31.23-	251.0	240.6	233.0	276.8	261.9	217.5
16.32-	258.7	245.7	240.8	295.5	272.3	230.5
1.39-	263.9	245.7	245.9	308.9	282.8	240.9
13.53	269.1	250.9	251.1	322.4	293.6	246.1
28.45	274.3	253.5	256.3	330.5	301.8	251.3
43.38	282.1	258.7	266.7	346.6	312.6	259.0
58.29	290.2	263.9	271.9	357.4	323.4	266.8
73.22	295.6	269.0	279.7	373.5	334.2	272.0
88.14	303.6	274.2	285.0	384.1	342.3	279.8
103.06	309.0	279.4	293.1	400.0	353.2	282.5
117.99	319.8	284.8	301.2	410.7	366.7	296.0
132.90	327.9	290.1	306.6	426.6	377.4	306.8
147.83	336.0	295.5	317.4	439.9	388.1	317.6
150.91	336.0	298.2	317.4	442.6	390.8	317.6
156.78	341.3	300.9	320.1	447.9	393.5	320.3
162.75	344.0	303.6	325.5	450.5	398.8	325.7
168.72	346.7	306.3	328.2	458.5	404.2	325.7
174.69	349.4	306.3	330.9	461.1	406.8	333.8
180.66	354.8	311.7	336.3	469.1	412.2	344.6
186.63	357.5	311.7	339.0	474.4	414.8	350.0
192.60	362.9	317.1	344.4	484.8	420.2	360.8
198.57	365.6	319.7	347.1	497.9	425.5	374.3
204.54	368.3	322.4	352.5	510.9	430.9	392.9
210.51	373.6	325.1	355.2	526.6	436.2	411.6
225.42	389.6	341.3	374.0	580.9	457.6	472.9

CALC	07/03/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 04 BOEING AIRPLANE COMPANY	Vol. III
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TIME SEC.	4-5	8-5	4-6	8-6	4-7	8-7
	T-17	T-18	T-19	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----					
240.34	410.8	357.4	385.3	657.1	484.1	551.5
255.27	440.1	386.8	427.3	763.9	518.2	638.5
270.18	482.4	429.3	469.9	898.6	562.8	755.8
285.12	550.3	495.3	537.9	1049.	619.0	888.5
300.03	624.4	573.4	615.0	1198.	688.1	1020.
314.95	710.8	664.9	704.1	1329.	764.7	1136.
329.88	797.3	751.3	790.8	1438.	844.0	1238.
344.79	868.5	820.0	864.6	1525.	920.4	1322.
359.73	926.7	875.9	920.4	1585.	996.1	1383.
389.56	992.0	931.4	985.9	1647.	1082.	1443.
419.40	1017.	941.5	1006.	1647.	1133.	1433.
449.25	1012.	934.0	995.9	1611.	1148.	1404.
479.10	989.5	908.8	973.3	1559.	1141.	1333.
508.95	964.4	881.0	943.1	1496.	1118.	1266.
538.78	936.7	855.6	915.4	1438.	1087.	1212.
568.62	914.1	832.7	887.6	1391.	1064.	1169.
598.47	896.5	814.9	867.2	1355.	1042.	1123.
628.32	883.8	802.2	854.5	1334.	1029.	1098.
658.17	883.8	802.2	844.8	1337.	1024.	1098.
688.00	899.0	814.9	857.0	1373.	1029.	1144.
717.84	926.7	840.3	882.5	1428.	1052.	1217.
747.69	956.8	868.3	910.4	1480.	1087.	1268.
777.54	984.5	893.7	933.0	1517.	1118.	1315.
807.39	1007.	911.3	948.1	1538.	1143.	1343.
809.37	1010.	913.9	950.6	1543.	1146.	1343.
815.34	1015.	916.4	950.6	1546.	1151.	1351.
821.31	1020.	923.9	953.2	1551.	1153.	1351.
827.28	1022.	926.4	958.2	1556.	1158.	1357.
833.25	1025.	928.9	960.7	1561.	1163.	1359.
835.23	1030.	931.4	960.7	1561.	1163.	1362.
837.22	1030.	931.4	960.7	1561.	1166.	1367.
839.22	1030.	928.9	960.7	1566.	1169.	1367.
841.20	1032.	934.0	963.2	1566.	1169.	1364.
843.19	1032.	934.0	963.2	1566.	1169.	1367.
845.19	1035.	934.0	963.2	1566.	1171.	1372.
847.17	1035.	934.0	965.7	1572.	1174.	1370.
849.16	1037.	936.5	965.7	1569.	1171.	1370.
851.16	1040.	936.5	963.2	1569.	1174.	1375.
853.14	1037.	936.5	963.2	1574.	1176.	1375.
855.13	1040.	939.0	965.7	1577.	1179.	1375.

CALC	07/03/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 04 BOEING AIRPLANE COMPANY	Vol. III
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TIME SEC.	4-5	8-5	4-6	8-6	4-7	8-7
	T-17	T-18	T-19	T-21	T-22	T-23
	-----DEGREES FAHRENHEIT-----					
857.13	1042.	939.0	045.7	1574.	1176.	1378.
859.11	1042.	939.0	043.2	1574.	1161.	1383.
861.09	1042.	939.0	043.2	1577.	1181.	1383.
863.09	1042.	939.0	048.3	1582.	1181.	1385.
865.08	1042.	941.5	045.7	1580.	1184.	1388.
867.04	1047.	941.5	045.7	1592.	1181.	1391.
869.04	1047.	941.5	043.2	1585.	1186.	1396.
871.05	1047.	944.0	045.7	1590.	1189.	1396.
873.03	1052.	946.5	045.7	1590.	1159.	1398.
875.03	1055.	946.5	045.7	1593.	1192.	1409.
877.02	1052.	946.5	045.7	1600.	1194.	1412.
879.00	1057.	951.5	070.8	1603.	1199.	1414.
881.00	1060.	954.0	048.3	1606.	1194.	1417.
882.00	1062.	954.0	048.3	1611.	1197.	1427.
884.07	1062.	954.0	070.8	1616.	1199.	1430.
886.96	1067.	959.1	073.3	1624.	1199.	1435.
888.04	1070.	964.1	073.3	1629.	1202.	1438.
890.04	1072.	964.1	073.3	1632.	1202.	1448.
892.93	1075.	964.1	075.8	1640.	1207.	1454.
894.03	1077.	969.1	080.3	1647.	1207.	1456.
896.91	1080.	974.1	080.8	1653.	1209.	1464.
898.00	1085.	974.1	080.8	1658.	1215.	1472.
900.90	1082.	979.2	083.4	1668.	1217.	1480.
906.87	1100.	986.7	090.9	1687.	1225.	1498.
912.83	1117.	999.2	093.5	1705.	1232.	1516.
918.80	1127.	1012.	1006.	1724.	1237.	1535.
924.77	1136.	1022.	1014.	1743.	1248.	1556.
930.74	1128.	1032.	1021.	1763.	1260.	1572.
936.70	1156.	1039.	1029.	1782.	1273.	1590.
942.67	1164.	1049.	1076.	1793.	1281.	1606.
948.64	1174.	1060.	1044.	1809.	1291.	1616.
954.61	1184.	1067.	1054.	1820.	1301.	1627.
960.57	1191.	1072.	1061.	1828.	1312.	1632.
966.54	1190.	1080.	1064.	1836.	1322.	1637.
972.51	1207.	1085.	1074.	1845.	1328.	1640.
978.48	1212.	1092.	1082.	1853.	1335.	1645.
984.45	1217.	1095.	1084.	1858.	1346.	1655.
990.42	1224.	1097.	1087.	1864.	1351.	1661.
996.39	1230.	1102.	1092.	1864.	1362.	1666.
1002.36	1235.	1107.	1097.	1869.	1362.	1669.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
1008.33	1235.	1112.	1102.	1872.	1370.	1671.
1014.30	1237.	1112.	1102.	1875.	1378.	1676.
1020.27	1245.	1115.	1104.	1875.	1380.	1682.
1050.12	1257.	1125.	1117.	1878.	1396.	1687.
1079.96	1265.	1138.	1127.	1883.	1409.	1684.
1109.79	1277.	1143.	1137.	1886.	1420.	1692.
1139.64	1285.	1156.	1145.	1886.	1427.	1697.
1169.49	1296.	1166.	1155.	1894.	1441.	1711.
1199.34	1314.	1183.	1170.	1908.	1448.	1727.
1229.18	1329.	1204.	1191.	1933.	1464.	1749.
1259.01	1357.	1227.	1211.	1953.	1483.	1774.
1258.86	1370.	1252.	1239.	1981.	1501.	1793.
1318.71	1400.	1280.	1267.	2012.	1525.	1810.
1338.60	1418.	1295.	1280.	2023.	1538.	1824.
1353.53	1431.	1305.	1292.	2035.	1554.	1829.
1368.45	1442.	1319.	1305.	2049.	1564.	1837.
1383.36	1457.	1332.	1318.	2055.	1575.	1851.
1398.30	1468.	1345.	1329.	2063.	1588.	1865.
1413.21	1484.	1355.	1339.	2071.	1601.	1879.
1428.14	1494.	1368.	1352.	2086.	1614.	1887.
1443.06	1507.	1384.	1366.	2097.	1625.	1895.
1457.97	1523.	1397.	1379.	2103.	1638.	1912.
1472.91	1530.	1415.	1397.	2117.	1651.	1923.
1487.82	1557.	1436.	1418.	2129.	1664.	1934.
1502.75	1570.	1452.	1436.	2141.	1677.	1946.
1517.67	1580.	1465.	1457.	2150.	1685.	1946.
1532.58	1591.	1475.	1468.	2156.	1695.	1954.
1547.52	1596.	1486.	1483.	2165.	1704.	1960.
1560.45	1601.	1491.	1494.	2168.	1709.	1968.
1590.29	1614.	1507.	1510.	2177.	1720.	1980.
1620.13	1627.	1520.	1525.	2180.	1728.	1991.
1649.97	1633.	1528.	1531.	2183.	1737.	2000.
1679.82	1633.	1530.	1536.	2186.	1739.	2000.
1709.67	1635.	1533.	1536.	2183.	1742.	2000.
1739.51	1630.	1528.	1531.	2171.	1742.	1994.
1770.35	1620.	1517.	1523.	2147.	1728.	1954.
1800.19	1606.	1504.	1512.	2111.	1717.	1923.
1830.03	1583.	1483.	1491.	2077.	1698.	1887.
1859.88	1562.	1460.	1465.	2040.	1680.	1848.
1889.73	1536.	1434.	1436.	1992.	1656.	1804.

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	-----DEGREES FAHRENHEIT-----					
1919.57	1400.	1400.	1402.	1947.	1630.	1744.
1949.41	1465.	1366.	1366.	1880.	1593.	1682.
1979.25	1426.	1324.	1324.	1806.	1554.	1606.
2009.10	1370.	1280.	1275.	1722.	1514.	1532.
2038.95	1310.	1229.	1219.	1619.	1454.	1427.
2068.79	1242.	1161.	1153.	1501.	1372.	1299.
2098.63	1161.	1087.	1092.	1373.	1283.	1161.
2128.47	1080.	1014.	1003.	1244.	1189.	1032.
2158.32	997.0	941.5	925.5	1120.	1095.	898.7
2188.17	919.1	870.8	857.0	994.0	1001.	799.2
2218.01	858.3	817.4	798.4	880.8	915.4	704.8
2247.85	804.9	769.1	747.5	786.8	838.9	623.2

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-21, T-22, T-23 = $\pm 45^{\circ}\text{F}$

TOLERANCE FOR ALL OTHER THERMOCOUPLES

THERMOCOUPLE NO.

PAGE

T-10, T-11, C-4M, T-12, T-13, T-14, T-15

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C-3M, C-5M, T-16, T-20,*T-24

3-182-3-183

T-17, T-18, T-19, T-21, T-22, T-23

3-184-3-185

* Thermocouple No. T-24 went bad.

CALC	Reynolds	7/20/7	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-1 EWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 05 BOEING AIRPLANE COMPANY	Vol. III 2-80085 PAGE 3-1779
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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
001	63.26	63.62	53.87	63.19	63.57	72.49	72.58
5.9A	177.8	156.9	184.8	163.9	170.7	156.9	150.0
11:94	247.2	260.6	302.9	226.4	239.9	316.6	260.9
17:91	274.9	260.6	309.9	233.4	260.7	344.4	302.5
23.8A	420.8	385.2	444.4	357.0	391.1	420.8	385.7
29.85	542.8	500.9	584.1	444.2	495.3	537.0	496.0
35.82	653.7	604.6	666.7	537.3	593.7	577.7	554.0
41.79	743.6	704.7	744.4	606.4	673.3	669.6	647.9
47.76	811.7	778.4	847.8	669.9	741.9	727.8	700.7
53.73	917.1	864.5	943.3	738.7	819.9	801.7	769.4
59.70	987.4	944.5	998.6	812.2	894.9	872.0	836.2
65.67	1046.	1014.	1090.	857.4	944.9	937.2	901.3
71.64	1113.	1076.	1143.	917.6	1010.	1022.	976.5
77.61	1197.	1147.	1208.	972.9	1081.	1084.	1035.
83.5A	1267.	1217.	1309.	1041.	1148.	1141.	1102.
89.55	1353.	1295.	1372.	1109.	1217.	1235.	1182.
95.52	1406.	1354.	1426.	1161.	1268.	1280.	1243.
101:49	1455.	1429.	1505.	1221.	1327.	1344.	1311.
107:46	1490.	1490.	1556.	1272.	1376.	1419.	1370.
113.42	1537.	1554.	1615.	1327.	1434.	1473.	1418.
119.39	1584.	1617.	1683.	1376.	1486.	1546.	1480.
134.31	1757.	1769.	1834.	1496.	1609.	1702.	1625.
149:23	188A.	1911.	1978.	1631.	1736.	1840.	1768.
164.16	2006.	2047.	2110.	1767.	1875.	1995.	1911.
179:07	2127.	2187.	2255.	1881.	1990.	2135.	2032.
194.00	2264.	2327.	2387.	2000.	2126.	2256.	2145.
208.92	2345.	2424.	2477.	2078.	2215.	2369.	2246.
223.84	2427.	2501.	2567.	2128.	2300.	2443.	2312.
238.77	2482.	2575.	2649.	2195.	2370.	2521.	2386.
253.6A	2556.	2645.	2692.	2257.	2432.	2599.	2448.
268.61	2626.	2715.	2771.	2323.	2491.	2665.	2511.
270.60	2642.	2719.	2775.	2335.	2498.	2677.	2518.
276.57	2661.	2747.	2810.	2355.	2518.	2705.	2542.
282.54	2680.	2778.	2833.	2397.	2549.	2740.	2585.
288.51	2704.	2790.	2865.	2409.	2568.	2767.	2604.
294.4A	272A.	2817.	2877.	2440.	2584.	2799.	2628.
300.45	2740.	2829.	2895.	2456.	2611.	2818.	2647.
306.42	271A.	2821.	2892.	2460.	2603.	2783.	2596.
312.3A	2712.	2813.	2861.	2448.	2588.	2756.	2573.
318.35	2697.	2794.	2578.	2440.	2572.	2728.	2518.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
324.32	2665.	2758.	2814.	2417.	2549.	2697.	2503.
330.29	2630.	2727.	2767.	2366.	2498.	2677.	2472.
336.25	2591.	2688.	2728.	2351.	2471.	2658.	2444.
342.22	2567.	2645.	2696.	2323.	2448.	2618.	2421.
348.19	2575.	2661.	2657.	2335.	2440.	2579.	2390.
354.16	2540.	2641.	2629.	2312.	2429.	2556.	2363.
360.12	2524.	2622.	2473.	2304.	2401.	2536.	2336.
375.06	2447.	2556.	2532.	2249.	2351.	2454.	2250.
389.97	2410.	2493.	2442.	2222.	2300.	2400.	2176.
404.90	2340.	2420.	2360.	2152.	2231.	2299.	2083.
419.82	2221.	2284.	2208.	2019.	2106.	2158.	1943.
434.73	2104.	2156.	2060.	1901.	1990.	2018.	1798.
449.67	1975.	2001.	1907.	1750.	1851.	1876.	1663.
464.58	1840.	1863.	DATE	1623.	1715.	1740.	1536.
479.51	1702.	1722.	1607.	1508.	1588.	1580.	1374.
494.43	1584.	1579.	1443.	1372.	1460.	1397.	1205.
509.34	1450.	1446.	1296.	1245.	1332.	1258.	1088.
524.28	1317.	1286.	1114.	1085.	1185.	1079.	946.4
539.19	1183.	1152.	943.3	947.8	1057.	932.2	816.1
554.12	1002.	974.5	760.3	781.1	879.9	791.2	669.1
569.04	796.5	778.4	578.3	611.7	699.7	632.5	525.0
583.95	542.8	535.6	380.4	397.7	454.7	519.6	426.3
598.89	403.4	385.2	226.5	282.0	329.9	444.0	368.3
601.86	391.8	379.4	226.5	268.1	323.0	444.0	350.9

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TIME SEC.	7-6	7-7	3-5	7-5	3-6
	C-3M	C-5M	T-16	T-20	T-24
	-----DEGREES FAHRENHEIT-----				
101	35.02	63.49	81.49	81.92	80CLB
5:98	198.4	226.2	81.49	81.92	80CLB
11:94	267.6	466.6	116.7	125.2	80CLB
17:91	336.8	455.0	157.0	177.7	80CLB
23:88	489.5	570.9	205.7	226.2	80CLB
29:85	570.6	615.7	289.3	295.4	80CLB
35:82	582.0	668.5	375.0	362.2	80CLB
41:79	662.9	763.4	468.2	426.0	80CLB
47:76	757.8	835.4	561.5	507.1	80CLB
53:73	804.9	925.5	655.1	594.0	80CLB
59:70	880.0	1010.	745.4	684.2	80CLB
65:67	955.0	1077.	828.7	773.9	80CLB
71:64	990.0	1148.	909.3	855.3	80CLB
77:61	1101.	1214.	994.9	935.4	80CLB
83:58	1130.	1283.	1067.	1020.	80CLB
89:55	1185.	1373.	1144.	1106.	80CLB
95:52	1264.	1434.	1224.	1176.	80CLB
101:49	1350.	1501.	1288.	1255.	80CLB
107:46	1368.	1589.	1361.	1328.	80CLB
113:42	1456.	1653.	1427.	1412.	80CLB
119:39	1517.	1720.	1490.	1474.	80CLB
134:31	1647.	1865.	1643.	1636.	80CLB
149:23	1774.	2011.	1795.	1792.	80CLB
164:16	1904.	2147.	1926.	1933.	80CLB
179:07	2021.	2294.	2058.	2065.	80CLB
194:00	2161.	2426.	2191.	2205.	80CLB
208:92	2130.	2531.	2312.	2325.	80CLB
223:84	2204.	2617.	2394.	2411.	80CLB
238:77	2277.	2683.	2473.	2488.	80CLB
253:68	2343.	2766.	2547.	2558.	80CLB
268:61	2433.	2848.	2614.	2628.	80CLB
270:60	2441.	2855.	2625.	2640.	80CLB
276:57	2479.	2887.	2657.	2668.	80CLB
282:54	2514.	2926.	2684.	2703.	80CLB
288:51	2545.	2953.	2720.	2726.	80CLB
294:48	2580.	2977.	2732.	2750.	80CLB
300:45	2596.	2992.	2755.	2773.	80CLB
306:42	2561.	2977.	2763.	2777.	80CLB
312:38	2518.	2965.	2755.	2769.	80CLB
318:35	2507.	2926.	2743.	2754.	80CLB

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
324.32	2472.	2895.	2724.	2734.	RDCLB
330.29	2425.	2879.	2704.	2718.	RDCLB
336.25	2421.	2855.	2680.	2695.	RDCLB
342.22	2402.	2797.	2653.	2668.	RDCLB
348.19	2363.	2781.	2633.	2648.	RDCLB
354.16	2324.	2750.	2621.	2625.	RDCLB
360.12	2297.	2726.	2598.	2605.	RDCLB
375.06	2219.	2605.	2547.	2543.	RDCLB
389.97	2173.	2566.	2490.	2488.	RDCLB
404.90	2072.	2450.	2437.	2438.	RDCLB
419.82	1924.	2279.	2340.	2341.	RDCLB
434.73	1803.	2154.	2238.	2247.	RDCLB
449.67	1685.	2015.	2121.	2135.	RDCLB
464.58	1513.	1856.	2011.	2018.	RDCLB
479.51	1376.	1707.	1905.	1913.	RDCLB
494.43	1282.	1518.	1800.	1804.	RDCLB
509.34	1120.	1395.	1685.	1669.	RDCLB
524.28	935.0	1186.	1571.	1534.	RDCLB
539.19	773.6	1010.	1450.	1386.	RDCLB
554.12	662.9	855.4	1320.	1246.	RDCLB
569.04	518.5	679.0	1195.	1116.	RDCLB
583.95	362.1	507.1	1072.	1010.	RDCLB
598.89	323.0	391.2	949.6	905.4	RDCLB
601.86	267.6	379.7	929.4	885.3	RDCLB

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
.01	82.45	79.53	84.96	87.63	84.71	84.92
5:98	82.45	79.53	82.36	90.23	84.71	84.92
11.94	82.45	79.53	84.96	87.63	84.71	84.92
17.91	82.45	79.53	82.36	87.63	87.32	84.92
23:88	85.05	82.16	84.96	87.63	87.32	92.73
29.85	87.45	82.16	84.96	92.83	92.54	100.5
35:82	92.84	82.16	84.96	95.43	100.4	113.6
41.79	95.44	84.77	87.56	103.2	105.6	126.6
47.74	100.6	87.38	90.16	113.6	113.4	144.8
53:73	108.4	89.99	95.37	126.6	123.9	165.5
59.70	118.8	95.20	97.97	139.6	134.3	183.6
65:67	129.2	100.4	105.8	157.7	150.0	206.9
71.64	142.2	105.6	113.6	178.4	165.6	232.8
77.61	155.2	116.1	121.4	199.1	183.7	258.7
83:58	170.7	123.9	131.8	224.9	201.9	287.4
89:55	188.7	137.0	142.2	253.3	222.7	317.0
95:52	212.0	150.0	157.8	284.5	246.0	349.3
101:49	232.6	163.0	173.3	319.4	274.6	384.1
107:46	258.4	178.5	191.4	357.0	301.4	418.6
113:42	281.7	196.7	209.5	399.6	328.4	458.5
119:38	308.6	217.4	230.1	442.0	355.4	497.8
134:31	386.3	279.6	292.7	562.4	438.2	611.3
149:23	478.9	360.6	370.7	696.8	533.0	728.3
164:16	585.1	467.2	468.9	844.0	635.8	855.3
179:07	696.7	592.0	585.7	1000.	745.4	988.9
194:00	813.4	729.6	720.3	1151.	857.6	1122.
208:92	934.7	872.2	862.5	1298.	971.4	1257.
223:84	1047.	1006.	998.5	1436.	1080.	1383.
238:77	1151.	1119.	1124.	1564.	1179.	1506.
253:68	1230.	1213.	1223.	1673.	1270.	1611.
268:61	1324.	1297.	1312.	1773.	1359.	1702.
270:60	1334.	1308.	1323.	1781.	1369.	1716.
276:57	1368.	1342.	1359.	1817.	1401.	1746.
282:54	1397.	1373.	1391.	1855.	1435.	1784.
288:51	1425.	1402.	1419.	1888.	1464.	1817.
294:48	1457.	1431.	1448.	1921.	1492.	1847.
300:45	1480.	1454.	1477.	1958.	1524.	1880.
306:42	1506.	1478.	1500.	1989.	1547.	1911.
312:38	1527.	1502.	1521.	2017.	1568.	1936.
318:35	1545.	1517.	1539.	2045.	1592.	1956.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	8-6 T-21	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----					
324.32	1543.	1533.	1555.	2068.	1613.	1970.
330.29	1570.	1549.	1571.	2087.	1631.	1975.
336.25	1592.	1557.	1584.	2104.	1650.	1981.
342.22	1605.	1567.	1594.	2116.	1665.	1989.
348.19	1616.	1578.	1605.	2128.	1678.	1989.
354.16	1623.	1583.	1612.	2137.	1689.	1995.
360.12	1634.	1588.	1618.	2140.	1699.	1998.
375.06	1642.	1596.	1628.	2149.	1721.	1995.
389.97	1644.	1596.	1631.	2146.	1732.	1984.
404.90	1630.	1593.	1628.	2131.	1732.	1964.
419.82	1624.	1580.	1612.	2110.	1721.	1927.
434.73	1605.	1554.	1589.	2076.	1705.	1877.
449.67	1570.	1525.	1558.	2037.	1684.	1831.
464.58	1545.	1486.	1518.	1989.	1660.	1776.
479.51	1511.	1447.	1477.	1941.	1629.	1719.
494.43	1472.	1405.	1435.	1891.	1595.	1663.
509.34	1428.	1360.	1391.	1836.	1561.	1606.
524.28	1373.	1305.	1336.	1776.	1513.	1540.
539.19	1303.	1241.	1274.	1702.	1453.	1464.
554.12	1234.	1175.	1210.	1616.	1385.	1381.
569.04	1168.	1114.	1150.	1519.	1317.	1290.
583.95	1105.	1054.	1091.	1423.	1253.	1198.
598.80	1050.	1001.	1034.	1332.	1186.	1117.
601.86	1037.	990.8	1024.	1316.	1176.	1104.

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-22, T-23 = $\pm 45^{\circ}$ F.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}$ F.

THERMOCOUPLE NO.

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T-10, T-11, C-4M, T-12, T-13, T-14, T-15

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C-3M, C-5M, T-16, T-20, T-24

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
239.99-	81.42	100.4	108.4	108.4	100.4	108.4	100.4
225.07-	150.0	150.0	150.0	150.0	150.0	141.7	141.7
210.14-	191.7	167.8	184.8	205.7	177.6	150.0	150.0
195.23-	247.3	191.4	240.5	268.3	239.8	150.0	177.6
180.30-	275.1	205.2	282.3	317.1	274.4	170.9	198.3
165.38-	280.0	210.0	317.1	351.6	309.0	275.3	322.7
150.46-	300.9	246.7	351.6	374.9	336.6	254.4	288.1
135.53-	300.9	257.6	369.1	386.5	350.4	254.4	281.2
120.62-	300.9	246.7	351.6	392.4	343.5	261.4	301.9
105.69-	300.9	246.7	357.4	386.5	343.5	261.4	308.9
90.77-	337.7	267.4	380.7	409.8	367.7	268.3	308.9
75.85-	363.0	280.1	400.0	444.8	390.9	282.3	322.7
60.92-	363.0	281.2	421.5	450.6	408.2	310.1	356.0
46.01-	363.0	281.2	421.5	450.6	408.2	310.1	350.3
31.08-	368.8	281.2	427.3	462.3	419.8	324.1	367.6
16.16-	368.8	281.2	433.2	468.1	419.8	344.9	390.7
1.24-	380.4	295.0	433.2	473.9	425.6	351.6	402.3
13.69	384.2	301.9	444.8	485.6	425.6	363.2	419.6
28.60	392.1	301.9	450.6	497.2	437.1	363.2	413.8
43.53	397.9	315.7	456.5	503.1	442.9	369.1	419.6
58.45	392.1	300.8	456.5	497.2	448.7	374.9	431.2
73.37	392.1	301.9	460.1	503.1	454.5	386.5	437.0
88.30	392.1	308.8	468.1	508.9	454.5	386.5	442.8
103.21	392.1	301.9	468.1	508.9	460.3	380.7	437.0
118.14	403.7	301.9	470.8	526.4	466.1	392.4	442.8
133.06	409.5	301.9	485.6	526.4	477.6	386.5	442.8
147.98	427.0	315.7	497.2	543.9	495.0	398.2	454.3
150.97	461.9	343.4	526.4	578.8	512.3	427.3	489.0
156.94	595.7	436.9	660.3	708.0	641.3	503.1	575.7
162.91	730.1	512.1	782.3	858.7	767.7	538.0	635.8
168.88	832.6	597.0	800.9	884.5	884.3	623.2	730.5
174.85	900.0	635.7	1014.	1077.	974.2	692.1	809.0
180.81	1000.	697.6	1170.	1181.	1076.	745.2	878.9
186.78	1104.	772.5	1237.	1292.	1189.	833.5	968.7
192.75	1184.	827.8	1338.	1392.	1290.	898.9	1032.
198.72	1277.	888.7	1431.	1476.	1380.	979.5	1123.
204.68	1386.	978.6	1562.	1604.	1503.	1082.	1230.
210.65	1474.	1032.	1659.	1693.	1600.	1190.	1348.
225.58	1717.	1271.	1873.	1960.	1854.	1436.	1586.
240.49	1942.	1536.	2101.	2210.	2093.	1702.	1829.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-44	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
255.42	2104.	1825.	2437.	2468.	2338.	1944.	2077.
270.74	2347.	2076.	2617.	2652.	2508.	2132.	2270.
285.26	2434.	2107.	2693.	2715.	2590.	2175.	2313.
300.19	2438.	2275.	2609.	2723.	2617.	2234.	2363.
315.10	2418.	2275.	2693.	2719.	2621.	2163.	2278.
330.03	2387.	2200.	2644.	2687.	2598.	2101.	2197.
344.05	2262.	2057.	2523.	2562.	2481.	2011.	2104.
359.87	2145.	1925.	2400.	2441.	2361.	1944.	2030.
399.71	1938.	1696.	2108.	2230.	2163.	1791.	1839.
419.56	1755.	1531.	2023.	2062.	2008.	1634.	1730.
449.41	1573.	1379.	1827.	1876.	1842.	1476.	1574.
479.25	1474.	1257.	1723.	1791.	1743.	1374.	1480.
509.09	1391.	1151.	1617.	1689.	1642.	1269.	1397.
538.93	1350.	1104.	1558.	1651.	1604.	1219.	1339.
568.78	1323.	1046.	1532.	1625.	1583.	1181.	1294.
598.63	1376.	1013.	1549.	1647.	1600.	1209.	1330.
628.47	1452.	1151.	1651.	1757.	1697.	1265.	1392.
658.31	1645.	1312.	1869.	1956.	1886.	1471.	1578.
688.15	1742.	1374.	1944.	2042.	1957.	1566.	1679.
718.00	1780.	1427.	1999.	2077.	2004.	1608.	1704.
747.85	1780.	1440.	2011.	2093.	2020.	1528.	1607.
777.69	1768.	1410.	1995.	2069.	2000.	1498.	1582.
807.53	1763.	1401.	1995.	2066.	2000.	1494.	1574.
809.53	1750.	1401.	1995.	2069.	2000.	1494.	1578.
815.50	1776.	1401.	1991.	2069.	1992.	1489.	1582.
821.47	1768.	1401.	1995.	2069.	2000.	1489.	1570.
827.43	1763.	1362.	1997.	2054.	1992.	1458.	1544.
833.40	1717.	1366.	1937.	2003.	1950.	1329.	1410.
835.39	1708.	1357.	1929.	1991.	1938.	1315.	1410.
837.37	1606.	1374.	1917.	1976.	1922.	1347.	1436.
839.37	1601.	1339.	1929.	1972.	1930.	1352.	1445.
841.36	1708.	1361.	1941.	1995.	1946.	1392.	1489.
843.34	1704.	1352.	1925.	1987.	1938.	1338.	1445.
845.34	1704.	1352.	1921.	1984.	1934.	1333.	1436.
847.33	1721.	1366.	1933.	1991.	1942.	1383.	1485.
849.31	1713.	1352.	1937.	1991.	1946.	1369.	1480.
851.30	1721.	1366.	1948.	2003.	1957.	1360.	1467.
853.30	1734.	1366.	1952.	2011.	1961.	1356.	1467.
855.28	1738.	1374.	1948.	2011.	1961.	1369.	1489.
857.27	1751.	1383.	1980.	2027.	1973.	1449.	1553.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
859.27	1825.	1454.	2054.	2101.	2047.	1485.	1595.
861.25	1927.	1574.	2140.	2191.	2140.	1498.	1616.
863.24	2017.	1683.	2218.	2273.	2217.	1587.	1700.
865.24	2075.	1763.	2277.	2323.	2272.	1647.	1767.
867.22	2137.	1849.	2347.	2394.	2338.	1693.	1813.
869.21	2114.	1845.	2339.	2374.	2326.	1685.	1805.
871.21	2145.	1977.	2374.	2409.	2357.	1744.	1841.
873.19	2184.	1995.	2405.	2445.	2392.	1761.	1873.
875.17	2211.	1968.	2433.	2464.	2407.	1765.	1893.
877.17	2230.	1999.	2460.	2495.	2442.	1787.	1905.
879.16	2262.	2069.	2491.	2527.	2477.	1807.	1917.
881.14	2280.	2061.	2515.	2554.	2497.	1819.	1929.
883.14	2305.	2080.	2530.	2562.	2508.	1832.	1945.
885.13	2340.	2123.	2562.	2593.	2535.	1864.	1976.
887.11	2348.	2150.	2585.	2613.	2559.	1872.	1991.
889.11	2352.	2142.	2599.	2625.	2570.	1868.	1984.
891.10	2375.	2177.	2605.	2636.	2578.	1888.	2003.
893.08	2387.	2204.	2609.	2644.	2582.	1897.	2003.
895.08	2301.	2212.	2621.	2648.	2594.	1892.	2007.
897.07	2403.	2239.	2636.	2656.	2617.	1901.	2011.
899.05	2404.	2247.	2648.	2668.	2617.	1901.	2011.
905.02	2453.	2305.	2672.	2699.	2656.	1909.	2015.
910.09	2418.	2278.	2656.	2680.	2633.	1905.	2003.
916.06	2300.	2243.	2632.	2652.	2613.	1925.	2011.
922.03	2300.	2235.	2621.	2648.	2605.	1897.	1999.
928.00	2370.	2271.	2617.	2640.	2590.	1909.	2003.
934.87	2336.	2154.	2573.	2589.	2539.	1913.	2015.
940.84	2325.	2127.	2550.	2570.	2528.	1897.	1988.
946.81	2325.	2119.	2554.	2570.	2528.	1897.	1991.
952.78	2325.	2171.	2546.	2558.	2520.	1888.	1984.
958.75	2313.	2119.	2542.	2562.	2520.	1884.	1972.
964.72	2286.	2088.	2519.	2527.	2481.	1856.	1949.
970.69	2250.	2034.	2472.	2480.	2446.	1815.	1913.
976.65	2210.	2003.	2452.	2460.	2434.	1811.	1905.
982.62	2184.	1960.	2405.	2409.	2380.	1791.	1889.
988.59	2160.	1977.	2386.	2394.	2365.	1761.	1849.
994.56	2140.	1913.	2382.	2386.	2353.	1761.	1853.
1000.52	2153.	1909.	2362.	2378.	2349.	1761.	1861.
1006.49	2133.	1895.	2355.	2366.	2338.	1732.	1845.
1012.46	2130.	1869.	2351.	2359.	2330.	1736.	1841.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 T-12	7-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1018.43	2126.	1869.	2371.	2355.	2310.	1719.	1825.
1020.43	2104.	1849.	2371.	2347.	2307.	1719.	1825.
1050.26	2110.	1865.	2377.	2362.	2314.	1689.	1801.
1080.10	2004.	1837.	2312.	2343.	2299.	1685.	1793.
1109.95	2047.	1776.	2298.	2312.	2275.	1676.	1776.
1139.80	2087.	1706.	2316.	2331.	2283.	1689.	1788.
1169.65	2133.	1873.	2355.	2378.	2326.	1715.	1829.
1199.48	2215.	1972.	2429.	2452.	2407.	1791.	1885.
1229.32	2274.	2061.	2511.	2515.	2469.	1864.	1968.
1259.17	2328.	2127.	2566.	2566.	2524.	1929.	2042.
1289.02	2375.	2107.	2600.	2621.	2578.	1964.	2069.
1318.87	2341.	2162.	2591.	2589.	2551.	1976.	2077.
1348.70	2375.	2169.	2503.	2601.	2555.	1976.	2069.
1378.54	2356.	2175.	2595.	2585.	2551.	1972.	2069.
1408.39	2371.	2131.	2580.	2597.	2555.	1964.	2065.
1438.24	2364.	2131.	2507.	2589.	2555.	1956.	2057.
1440.22	2364.	2127.	2507.	2601.	2559.	1960.	2061.
1455.15	2477.	2262.	2711.	2742.	2676.	2241.	2340.
1470.07	2465.	2220.	2703.	2723.	2652.	2230.	2332.
1484.00	2457.	2204.	2600.	2715.	2644.	2234.	2344.
1499.92	2457.	2103.	2605.	2719.	2648.	2237.	2352.
1514.83	2457.	2173.	2607.	2715.	2640.	2245.	2352.
1529.76	2446.	2166.	2697.	2711.	2640.	2241.	2344.
1544.68	2457.	2169.	2601.	2711.	2648.	2249.	2356.
1559.60	2457.	2185.	2691.	2715.	2648.	2237.	2332.
1589.44	2460.	2177.	2695.	2723.	2656.	2249.	2360.
1619.29	2478.	2076.	2668.	2687.	2621.	2218.	2329.
1649.14	2414.	2049.	2644.	2660.	2598.	2206.	2313.
1678.98	2383.	2026.	2621.	2640.	2582.	2183.	2294.
1708.82	2352.	1980.	2577.	2601.	2539.	2148.	2243.
1738.66	2300.	1941.	2534.	2566.	2508.	2077.	2177.
1768.51	2227.	1837.	2452.	2491.	2431.	2011.	2100.
1798.36	2024.	1540.	2260.	2296.	2233.	1892.	1972.
1828.20	1874.	1352.	2112.	2152.	2101.	1787.	1873.
1858.04	1785.	1275.	1995.	2066.	2012.	1672.	1759.
1887.88	1624.	1009.	1832.	1913.	1862.	1536.	1633.
1917.73	1430.	888.7	1630.	1719.	1688.	1342.	1445.
1947.58	1236.	730.4	1440.	1545.	1515.	1153.	1258.
1977.42	1032.	587.2	1209.	1329.	1322.	954.3	1061.
2007.26	770.8	413.8	049.3	1062.	1066.	745.2	843.9

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TIME SEC.	3-2	7-2	3-7	3-3	7-3	3-4	7-4
	T-10	T-11	C-4M	T-12	T-13	T-14	T-15
	-----DEGREES FAHRENHEIT-----						
2037.10	508.4	267.4	481.5	782.3	804.3	567.2	646.3
2066.95	344.6	184.5	477.9	573.0	609.7	409.8	465.9
2096.80	275.1	167.8	480.7	468.1	500.8	317.1	379.2
2126.44	212.6	150.0	410.1	380.7	425.6	254.4	329.6
2156.48	184.8	150.0	261.4	317.1	367.7	205.7	281.2
2186.72	154.9	141.7	224.6	275.3	215.0	198.7	253.6
2216.17	154.9	133.5	212.7	247.5	274.4	191.8	246.7
2246.02	154.9	150.0	212.7	247.5	267.5	184.8	246.7

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TIME SEC.	7-6 C-3M	7-7 C-3M	7-5 T-16	7-5 T-20	7-6 T-24
	-----DEGREES FAHRENHEIT-----				
239.09-	100.4	100.5	00.91	100.6	108.4
225.77-	167.8	150.0	00.91	108.6	116.7
210.14-	232.9	177.8	125.0	150.0	125.0
195.23-	253.6	261.1	150.0	163.8	173.4
180.30-	282.2	300.7	177.9	212.3	150.0
165.38-	302.0	362.8	212.8	253.9	143.9
150.46-	336.5	337.5	254.7	274.7	108.7
135.53-	350.3	337.5	282.6	295.4	233.5
120.62-	354.1	362.8	317.5	330.1	248.7
105.60-	361.8	374.4	339.5	350.7	282.3
90.77-	347.4	380.2	352.0	368.1	324.0
75.85-	354.1	397.6	360.6	385.5	337.0
60.02-	402.3	400.3	387.1	397.1	351.6
46.01-	408.1	400.3	404.6	402.9	369.0
31.08-	425.4	432.5	410.4	420.3	386.5
16.14-	425.4	455.7	433.8	431.9	409.8
1.24-	431.2	461.6	445.5	455.0	427.3
13.60	437.0	467.4	451.3	466.6	444.8
28.60	454.3	470.0	463.0	478.2	462.2
43.53	465.9	477.2	468.9	484.0	473.0
58.45	465.9	484.8	480.5	495.6	491.4
73.37	465.9	490.6	492.2	495.6	503.0
88.30	460.1	495.4	503.9	501.4	514.7
103.21	465.9	502.2	503.9	507.2	526.3
118.14	489.0	502.2	503.9	513.0	538.0
133.06	500.6	508.0	521.4	518.8	543.8
147.08	523.7	510.7	533.1	524.6	561.3
150.97	564.2	587.6	527.3	536.2	567.1
156.04	667.4	696.2	530.0	542.0	578.7
162.01	730.5	754.3	568.2	576.8	594.6
168.88	820.0	852.1	618.9	626.3	617.8
174.85	953.8	967.5	682.7	680.7	639.0
180.81	1028.	1055.	762.5	763.5	681.4
186.78	1118.	1155.	845.1	845.5	729.1
192.75	1216.	1275.	930.9	930.6	776.9
198.72	1303.	1340.	1026.	1029.	833.4
204.68	1405.	1442.	1132.	1121.	888.8
210.65	1511.	1542.	1240.	1218.	959.2
225.58	1772.	1816.	1526.	1501.	1153.
240.49	2026.	2069.	1811.	1763.	1387.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREE FAHRENHEIT-----				
255.42	2243.	2315.	2077.	2026.	1629.
270.34	2367.	2510.	2312.	2279.	1876.
285.26	2406.	2560.	2301.	2403.	2038.
300.19	2445.	2501.	2434.	2446.	2143.
315.10	2440.	2556.	2414.	2415.	2198.
330.03	2437.	2521.	2393.	2372.	2233.
344.95	2305.	2424.	2316.	2314.	2237.
359.87	2208.	2338.	2238.	2244.	2222.
389.71	2116.	2147.	2054.	2081.	2124.
419.56	1926.	1956.	1876.	1917.	2015.
449.41	1742.	1742.	1705.	1746.	1888.
479.25	1633.	1665.	1586.	1619.	1786.
509.09	1557.	1559.	1497.	1501.	1693.
538.93	1471.	1405.	1430.	1435.	1617.
568.78	1445.	1455.	1376.	1377.	1557.
598.63	1474.	1409.	1359.	1360.	1523.
628.47	1540.	1500.	1408.	1408.	1523.
658.31	1746.	1791.	1543.	1552.	1583.
688.15	1857.	1807.	1688.	1699.	1672.
718.00	1800.	1913.	1743.	1754.	1757.
747.85	1901.	1913.	1777.	1780.	1803.
777.69	1807.	1921.	1702.	1775.	1823.
807.53	1803.	1909.	1777.	1771.	1835.
809.53	1807.	1921.	1777.	1767.	1835.
815.50	1885.	1925.	1777.	1775.	1839.
821.47	1807.	1921.	1777.	1767.	1843.
827.43	1905.	1809.	1702.	1775.	1839.
833.40	1933.	1804.	1769.	1750.	1847.
835.39	1937.	1703.	1773.	1746.	1847.
837.37	1945.	1766.	1765.	1725.	1852.
839.37	1957.	1758.	1760.	1708.	1852.
841.36	1960.	1779.	1748.	1695.	1856.
843.34	1976.	1741.	1743.	1695.	1856.
845.34	1976.	1745.	1743.	1687.	1856.
847.33	1988.	1783.	1743.	1682.	1860.
849.31	1976.	1783.	1743.	1682.	1864.
851.30	1980.	1800.	1739.	1682.	1868.
853.30	1900.	1800.	1739.	1682.	1868.
855.28	2007.	1804.	1743.	1682.	1868.
857.27	2030.	1856.	1743.	1687.	1868.

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TIME SEC.	7-4 C-34	7-7 C-34	7-5 T-16	7-5 T-20	7-6 T-24
	-----DEGREES FAHRENHEIT-----				
859.27	2085.	1949.	1752.	1491.	1872.
861.25	2147.	1940.	1745.	1704.	1876.
863.24	2228.	2023.	1704.	1733.	1884.
865.24	2278.	2042.	1823.	1758.	1896.
867.22	2325.	2063.	1859.	1788.	1912.
869.21	2340.	2085.	1886.	1820.	1929.
871.21	2367.	2128.	1890.	1849.	1952.
873.19	2387.	2149.	1886.	1877.	1968.
875.17	2404.	2155.	1897.	1909.	1991.
877.17	2424.	2190.	2015.	1937.	2007.
879.14	2437.	2226.	2034.	1960.	2030.
881.14	2440.	2217.	2054.	1988.	2050.
883.14	2444.	2229.	2063.	2015.	2061.
885.13	2480.	2244.	2117.	2034.	2077.
887.11	2482.	2272.	2132.	2056.	2097.
889.11	2480.	2272.	2148.	2081.	2112.
891.10	2507.	2274.	2144.	2086.	2128.
893.08	2507.	2276.	2123.	2116.	2143.
895.08	2515.	2276.	2109.	2128.	2151.
897.07	2510.	2248.	2214.	2131.	2167.
899.05	2524.	2248.	2222.	2143.	2179.
905.02	2542.	2248.	2259.	2166.	2218.
910.00	2544.	2244.	2249.	2178.	2237.
916.04	2542.	2246.	2277.	2182.	2261.
922.03	2570.	2241.	2277.	2182.	2280.
928.00	2574.	2249.	2273.	2178.	2292.
934.07	2524.	2252.	2273.	2182.	2296.
940.04	2524.	2240.	2261.	2182.	2304.
946.01	2530.	2248.	2258.	2178.	2304.
952.78	2524.	2252.	2258.	2178.	2315.
958.75	2574.	2277.	2258.	2170.	2319.
964.72	2524.	2217.	2254.	2170.	2319.
970.69	2515.	2147.	2239.	2151.	2323.
976.45	2507.	2147.	2218.	2124.	2319.
982.62	2405.	2124.	2109.	2108.	2315.
988.50	2480.	2144.	2171.	2085.	2311.
994.56	2440.	2100.	2156.	2069.	2307.
1000.52	2440.	2085.	2152.	2058.	2300.
1006.40	2441.	2073.	2140.	2046.	2300.
1012.46	2414.	2069.	2132.	2038.	2288.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-8 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
1018.43	2402.	2062.	2121.	2034.	2284.
1020.43	2393.	2058.	2121.	2023.	2280.
1050.26	2336.	2011.	2005.	1995.	2241.
1080.10	2325.	2023.	2074.	1984.	2218.
1109.05	2336.	2078.	2059.	1976.	2206.
1139.00	2356.	2058.	2059.	1984.	2214.
1169.65	2387.	2077.	2097.	2011.	2237.
1199.48	2464.	2151.	2167.	2069.	2268.
1229.32	2534.	2221.	2226.	2135.	2335.
1259.17	2588.	2209.	2295.	2194.	2389.
1289.02	2624.	2370.	2332.	2232.	2421.
1318.87	2627.	2319.	2348.	2240.	2452.
1348.70	2643.	2319.	2350.	2240.	2468.
1378.54	2643.	2303.	2344.	2232.	2468.
1408.30	2651.	2319.	2352.	2229.	2479.
1438.24	2670.	2307.	2344.	2225.	2479.
1440.22	2670.	2307.	2348.	2229.	2471.
1455.15	2561.	2607.	2406.	2326.	2471.
1470.07	2557.	2525.	2453.	2403.	2464.
1484.00	2557.	2603.	2457.	2415.	2464.
1499.02	2565.	2603.	2445.	2427.	2471.
1514.83	2561.	2603.	2445.	2419.	2471.
1529.76	2546.	2501.	2457.	2415.	2471.
1544.68	2546.	2505.	2453.	2415.	2468.
1559.60	2561.	2508.	2473.	2423.	2479.
1589.44	2554.	2501.	2473.	2407.	2468.
1619.20	2530.	2552.	2449.	2376.	2464.
1649.14	2530.	2523.	2430.	2341.	2452.
1678.08	2405.	2406.	2414.	2322.	2432.
1708.02	2457.	2443.	2371.	2287.	2413.
1738.66	2402.	2404.	2332.	2252.	2374.
1768.51	2302.	2303.	2269.	2178.	2327.
1798.36	2212.	2178.	2176.	2061.	2264.
1828.20	2054.	2042.	2010.	1957.	2190.
1858.04	1922.	1901.	1898.	1837.	2089.
1887.88	1750.	1762.	1748.	1704.	1991.
1917.73	1565.	1571.	1607.	1556.	1892.
1947.58	1392.	1371.	1448.	1399.	1774.
1977.42	1170.	1169.	1263.	1228.	1663.
2007.26	963.8	922.3	1108.	1063.	1545.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
2037.10	797.7	657.8	930.9	890.6	1427.
2066.95	646.3	444.1	787.7	742.4	1306.
2096.80	527.7	337.5	677.4	636.9	1195.
2126.64	370.2	275.0	585.7	542.0	1081.
2156.48	308.9	237.3	480.5	460.8	964.2
2186.32	260.5	212.5	428.0	408.7	868.6
2216.17	257.6	198.6	392.9	368.1	771.6
2246.02	253.6	198.6	360.6	343.9	707.0

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
239.99-	95.73	82.17	87.31	93.40	84.84
225.07-	95.73	82.17	87.31	93.40	84.84
210.14-	95.73	82.17	87.31	91.04	87.44
195.23-	95.73	82.17	89.93	95.75	100.5
180.30-	97.00	84.78	92.54	100.5	118.7
165.38-	102.2	87.39	95.15	109.9	144.8
150.46-	106.6	89.99	103.0	124.1	160.4
135.53-	113.1	92.60	109.2	138.2	183.7
120.62-	110.6	95.21	116.0	150.0	204.4
105.69-	128.3	100.4	121.3	157.0	225.1
90.77-	137.0	105.6	131.7	173.4	245.8
75.85-	145.7	108.3	136.9	189.8	264.0
60.92-	150.0	117.5	144.8	203.9	276.9
46.01-	154.3	118.7	150.0	218.0	290.3
31.08-	162.9	123.9	150.0	229.7	303.7
16.16-	173.7	126.5	155.2	243.7	319.9
1.24-	182.4	131.7	163.0	257.8	338.8
13.69	191.0	137.0	170.8	269.5	352.2
28.60	190.6	144.8	178.6	283.7	365.7
43.53	208.2	150.0	183.7	295.9	381.7
58.45	210.0	150.0	191.5	310.6	395.0
73.37	227.7	152.6	190.3	322.7	408.3
88.30	238.5	163.0	207.1	337.4	419.0
103.21	247.1	165.6	214.9	349.6	429.6
118.14	255.7	175.9	222.7	359.3	437.6
133.06	264.3	181.1	230.5	369.1	446.2
147.98	273.0	188.9	238.3	383.5	458.9
150.97	275.1	191.5	238.3	383.5	461.5
156.04	277.3	194.1	243.4	388.3	464.2
162.91	281.7	199.3	246.0	393.1	472.1
168.88	286.2	201.9	248.6	398.0	480.0
174.85	288.4	204.4	251.2	402.8	487.8
180.81	292.9	207.0	253.8	407.6	500.9
186.78	297.4	212.2	259.0	412.4	514.0
192.75	290.6	214.8	261.6	419.6	532.3
198.72	304.1	217.4	264.2	426.8	553.2
204.68	308.6	222.6	266.8	434.0	576.3
210.65	313.1	225.2	272.0	443.7	601.7
225.58	326.5	238.1	285.2	472.5	683.2
240.49	346.7	256.3	301.4	508.0	787.5

CALC	08/01/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 01 THE BOEING COMPANY	Vol. III
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2-5000

TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
255.42	364.9	285.0	323.0	557.7	919.6
270.34	400.2	337.5	355.4	617.6	1073.
285.26	440.1	405.9	398.2	691.3	1233.
300.19	495.0	506.4	462.2	778.8	1364.
315.10	552.2	617.4	538.3	873.2	1458.
330.03	620.2	721.8	628.1	960.0	1526.
344.95	694.0	808.4	722.5	1035.	1571.
359.87	753.2	860.6	809.2	1094.	1592.
389.71	827.4	925.3	938.8	1168.	1581.
419.56	855.0	937.9	1002.	1186.	1518.
449.41	857.1	922.8	1014.	1177.	1435.
479.25	842.3	897.6	1002.	1147.	1354.
509.09	821.1	860.6	976.5	1112.	1289.
538.93	802.0	844.1	949.8	1078.	1235.
568.78	782.9	827.7	926.2	1049.	1190.
598.63	770.2	808.4	908.5	1024.	1159.
628.47	764.0	807.3	905.9	1008.	1151.
658.31	761.7	805.9	903.3	1005.	1169.
688.15	772.3	819.6	903.3	1015.	1223.
718.00	791.4	846.6	909.5	1040.	1276.
747.85	810.5	877.2	936.2	1067.	1322.
777.69	833.8	905.2	964.0	1096.	1356.
807.53	852.8	925.3	989.1	1119.	1367.
809.53	855.0	927.8	991.7	1119.	1369.
815.50	850.2	930.3	994.2	1124.	1372.
821.47	863.4	935.3	999.2	1126.	1372.
827.43	865.6	940.4	1002.	1131.	1377.
833.40	860.8	942.9	1007.	1133.	1377.
835.39	860.8	945.4	1009.	1133.	1382.
837.37	871.9	945.4	1009.	1135.	1382.
839.37	871.9	945.4	1012.	1138.	1382.
841.36	874.0	947.9	1014.	1138.	1382.
843.34	874.0	950.4	1014.	1138.	1382.
845.34	876.2	947.9	1017.	1140.	1385.
847.33	876.2	947.9	1017.	1140.	1388.
849.31	876.2	950.4	1019.	1142.	1388.
851.30	876.2	957.0	1019.	1142.	1388.
853.30	880.4	955.5	1019.	1142.	1390.
855.28	880.4	957.0	1019.	1145.	1393.
857.27	880.4	955.5	1022.	1145.	1396.

CALC	08/01/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 01 THE BOEING COMPANY	Vol. III
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TIME SEC.	4-5	8-5	4-6	4-7	8-7
	T-17	T-18	T-19	T-22	T-23
	-----DEGREES FAHRENHEIT-----				
859.27	882.5	952.5	1022.	1147.	1398.
861.25	882.5	952.0	1024.	1149.	1398.
863.24	884.6	952.0	1024.	1147.	1401.
865.24	886.8	958.0	1024.	1149.	1409.
867.22	886.8	958.0	1024.	1154.	1409.
869.21	884.8	960.5	1027.	1154.	1414.
871.21	888.9	963.0	1027.	1154.	1416.
873.19	891.0	965.5	1027.	1156.	1424.
875.17	891.0	965.5	1027.	1156.	1435.
877.17	893.1	965.5	1027.	1158.	1440.
879.16	893.1	970.6	1029.	1158.	1448.
881.14	895.2	973.1	1029.	1161.	1453.
883.14	897.4	973.1	1029.	1163.	1464.
885.13	899.5	973.1	1029.	1165.	1471.
887.11	899.5	978.1	1034.	1168.	1479.
889.11	901.6	980.6	1034.	1170.	1487.
891.10	903.7	983.1	1034.	1172.	1495.
893.08	907.9	988.2	1034.	1175.	1508.
895.08	907.9	990.7	1034.	1177.	1516.
897.07	910.0	993.2	1040.	1181.	1526.
899.05	912.0	998.2	1040.	1181.	1534.
905.02	918.3	1008.	1045.	1191.	1563.
910.00	924.7	1021.	1052.	1202.	1566.
916.06	933.0	1031.	1055.	1214.	1610.
922.03	941.4	1041.	1060.	1225.	1631.
928.90	940.7	1054.	1070.	1234.	1649.
934.87	952.1	1064.	1077.	1246.	1668.
940.84	966.5	1076.	1082.	1255.	1681.
946.81	972.8	1084.	1092.	1266.	1696.
952.78	983.2	1094.	1097.	1276.	1710.
958.75	980.5	1101.	1108.	1285.	1715.
964.72	997.9	1109.	1115.	1294.	1726.
970.69	1004.	1114.	1123.	1301.	1732.
976.65	1008.	1122.	1131.	1310.	1740.
982.62	1019.	1127.	1136.	1318.	1743.
988.59	1023.	1132.	1143.	1322.	1745.
994.56	1027.	1137.	1151.	1332.	1748.
1000.52	1033.	1140.	1153.	1337.	1751.
1006.49	1038.	1142.	1159.	1339.	1751.
1012.46	1042.	1145.	1164.	1346.	1748.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
1018.43	1046.	1147.	1166.	1351.	1748.
1020.43	1046.	1147.	1169.	1351.	1745.
1050.26	1057.	1155.	1181.	1363.	1729.
1080.10	1065.	1162.	1187.	1367.	1713.
1109.95	1071.	1168.	1192.	1365.	1707.
1139.80	1080.	1175.	1197.	1370.	1704.
1169.65	1088.	1188.	1202.	1377.	1713.
1199.48	1098.	1201.	1209.	1386.	1737.
1229.32	1111.	1221.	1222.	1403.	1765.
1259.17	1130.	1244.	1237.	1424.	1800.
1289.02	1155.	1272.	1260.	1450.	1836.
1318.87	1170.	1297.	1278.	1474.	1874.
1348.70	1200.	1323.	1301.	1495.	1896.
1378.54	1217.	1344.	1325.	1512.	1907.
1408.39	1236.	1363.	1343.	1521.	1924.
1438.24	1251.	1378.	1361.	1535.	1933.
1440.22	1251.	1381.	1364.	1533.	1933.
1455.15	1250.	1391.	1372.	1540.	1936.
1470.07	1260.	1407.	1382.	1545.	1936.
1484.09	1276.	1425.	1401.	1547.	1936.
1499.92	1287.	1444.	1422.	1554.	1938.
1514.83	1295.	1457.	1448.	1561.	1947.
1529.76	1304.	1470.	1466.	1566.	1955.
1544.68	1312.	1480.	1482.	1576.	1958.
1559.60	1319.	1491.	1495.	1580.	1961.
1589.44	1332.	1507.	1516.	1587.	1964.
1619.29	1336.	1517.	1532.	1590.	1972.
1649.14	1349.	1520.	1542.	1592.	1967.
1678.98	1336.	1522.	1548.	1592.	1961.
1708.82	1332.	1514.	1542.	1585.	1950.
1738.66	1328.	1507.	1534.	1580.	1927.
1768.51	1319.	1493.	1524.	1571.	1902.
1798.36	1310.	1478.	1508.	1557.	1869.
1828.20	1297.	1454.	1487.	1540.	1814.
1858.04	1282.	1433.	1461.	1519.	1756.
1887.88	1261.	1402.	1432.	1493.	1702.
1917.73	1240.	1370.	1401.	1462.	1631.
1947.58	1213.	1336.	1367.	1426.	1555.
1977.42	1185.	1300.	1327.	1389.	1469.
2007.26	1140.	1254.	1281.	1346.	1380.

CALC	08/01/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 01 THE BOEING COMPANY	Vol. III
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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	DEGREES FAHRENHEIT				
2037.10	1100.	1206.	1227.	1292.	1286.
2066.05	1054.	1142.	1164.	1227.	1184.
2096.00	991.6	1074.	1005.	1154.	1080.
2126.64	920.4	995.7	1019.	1071.	967.4
2156.48	850.7	922.8	947.8	990.4	843.5
2186.32	787.1	850.4	879.0	803.0	731.5
2216.17	734.2	809.4	816.8	815.6	647.6
2246.02	680.7	762.6	765.8	746.6	591.6

CALC	08/01/1		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 01 THE BOEING COMPANY	Vol. III
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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-22, T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

THERMOCOUPLE NO.

PAGE

T-10, T-11, C-4M, T-12, T-13, T-14, T-15

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C-3M, C-5M, T-16, T-20, T-24

3-207 - 3-210

T-17, T-18, T-19, T-22, T-23

3-211 - 3-214

<table border="1"> <tr> <td>CALC</td> <td>Reynolds</td> <td>8/9/61</td> <td>REVISED</td> <td>DATE</td> </tr> <tr> <td>CHECK</td> <td>Stapp</td> <td>8/9/61</td> <td></td> <td></td> </tr> <tr> <td>APPD</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>APPD</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	CALC	Reynolds	8/9/61	REVISED	DATE	CHECK	Stapp	8/9/61			APPD					APPD					LEADING EDGE TEST LT-5-617-2-2 EWA NO. -5617 SPEC. 0378 COND. NO. 02 RUN 02	Vol. III 12-50-85
CALC	Reynolds	8/9/61	REVISED	DATE																		
CHECK	Stapp	8/9/61																				
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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
91.08-	282.0	275.0	367.3	374.7	350.1	296.1	323.2
77.07-	374.6	337.5	433.3	467.9	442.5	296.1	323.2
62.15-	386.2	351.2	444.9	485.3	442.5	323.9	350.8
47.22-	323.8	323.6	404.1	421.3	394.8	296.1	323.2
32.31-	351.3	344.5	444.9	467.9	425.2	330.9	362.4
17.37-	368.7	344.5	462.4	485.3	448.3	351.5	374.0
2.44-	374.6	369.6	468.3	497.0	454.1	380.6	408.8
12.46	397.8	380.3	470.9	509.6	459.8	368.9	385.6
27.39	380.4	374.5	491.6	508.6	471.4	374.7	408.8
42.30	384.2	384.1	485.8	502.8	459.8	392.2	432.0
57.24	357.1	362.8	464.3	485.3	454.1	398.0	426.2
72.15	368.7	362.8	456.6	497.0	442.5	386.4	408.8
87.07	357.1	357.0	468.3	485.3	448.3	398.0	443.5
102.00	374.6	369.6	462.4	491.1	454.1	398.0	437.8
116.91	368.7	362.8	479.9	491.1	459.8	415.5	449.3
131.85	386.2	391.9	497.4	520.2	477.2	398.0	432.0
146.76	397.8	403.5	526.6	549.3	506.0	427.1	449.3
150.75	520.0	479.1	612.7	659.9	614.4	427.1	466.7
156.72	654.2	577.9	734.8	802.8	751.1	508.6	542.1
162.69	730.0	675.2	828.8	898.4	838.4	537.8	605.4
168.65	827.5	743.9	930.6	1013.	943.1	617.5	679.3
174.62	923.0	857.3	1043.	1124.	1051.	675.8	742.6
180.59	943.1	907.5	1116.	1171.	1089.	766.0	835.7
186.55	993.3	972.8	1196.	1236.	1136.	818.0	885.8
192.52	1129.	1094.	1320.	1377.	1288.	893.4	971.0
198.49	1236.	1212.	1445.	1497.	1400.	968.9	1035.
204.46	1304.	1295.	1541.	1573.	1470.	1057.	1140.
210.42	1434.	1420.	1686.	1705.	1598.	1185.	1256.
225.36	1672.	1661.	1922.	1920.	1811.	1422.	1510.
240.27	1892.	1933.	2188.	2185.	2068.	1646.	1734.
255.20	2114.	2191.	2446.	2427.	2315.	1883.	1988.
270.12	2277.	2397.	2645.	2615.	2501.	2107.	2198.
285.03	2328.	2452.	2704.	2678.	2563.	2150.	2256.
299.97	2352.	2487.	2724.	2689.	2575.	2193.	2311.
314.88	2305.	2440.	2685.	2646.	2544.	2135.	2241.
329.81	2277.	2413.	2661.	2619.	2528.	2064.	2186.
344.73	2141.	2288.	2524.	2478.	2370.	1986.	2109.
359.64	2047.	2179.	2422.	2388.	2284.	1928.	2039.
389.49	1858.	1976.	2211.	2181.	2083.	1756.	1849.
419.34	1697.	1788.	2023.	2010.	1912.	1633.	1717.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4W	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
449.19	1406.	1509.	1820.	1802.	1720.	1471.	1556.
479.03	1407.	1487.	1707.	1705.	1419.	1351.	1435.
508.86	1318.	1371.	1592.	1607.	1518.	1278.	1364.
538.71	1205.	1336.	1562.	1582.	1501.	1213.	1301.
568.56	1323.	1358.	1579.	1603.	1526.	1185.	1274.
598.41	1300.	1349.	1502.	1599.	1535.	1194.	1283.
628.25	1372.	1402.	1622.	1650.	1568.	1260.	1351.
658.08	1406.	1506.	1706.	1790.	1699.	1444.	1527.
687.93	1478.	1572.	1824.	1781.	1703.	1544.	1641.
717.78	1641.	1745.	2000.	1967.	1896.	1582.	1670.
747.63	1700.	1704.	2035.	2017.	1944.	1540.	1620.
777.47	1607.	1771.	2012.	2006.	1924.	1518.	1603.
807.30	1670.	1758.	2008.	2006.	1924.	1514.	1577.
810.30	1607.	1771.	2020.	2010.	1932.	1510.	1586.
816.27	1607.	1775.	2027.	2017.	1932.	1527.	1598.
822.24	1674.	1758.	2012.	2002.	1924.	1400.	1462.
828.21	1607.	1767.	2016.	2025.	1940.	1355.	1409.
834.17	1670.	1750.	1992.	1998.	1912.	1305.	1373.
836.16	1600.	1778.	1973.	1970.	1896.	1287.	1360.
838.14	1610.	1609.	1961.	1947.	1876.	1269.	1342.
840.14	1611.	1703.	1953.	1939.	1868.	1314.	1387.
842.13	1602.	1600.	1970.	1920.	1852.	1333.	1413.
844.11	1500.	1606.	1934.	1911.	1844.	1346.	1431.
846.11	1615.	1600.	1949.	1931.	1864.	1373.	1466.
848.10	1627.	1605.	1961.	1943.	1872.	1373.	1466.
850.08	1636.	1712.	1969.	1955.	1880.	1369.	1453.
852.08	1640.	1724.	1973.	1963.	1888.	1386.	1470.
854.07	1657.	1728.	1969.	1959.	1884.	1395.	1484.
856.05	1640.	1724.	1969.	1959.	1884.	1395.	1475.
858.04	1605.	1724.	1977.	1963.	1888.	1404.	1484.
860.04	1657.	1733.	1992.	1982.	1900.	1431.	1506.
862.02	1712.	1775.	2043.	2029.	1944.	1484.	1535.
864.01	1813.	1841.	2133.	2123.	2029.	1540.	1590.
866.01	1802.	1922.	2188.	2170.	2083.	1569.	1636.
867.99	1946.	1984.	2262.	2232.	2145.	1663.	1729.
869.98	2000.	2046.	2340.	2302.	2219.	1684.	1763.
871.99	2051.	2109.	2383.	2353.	2273.	1701.	1780.
873.96	2051.	2121.	2399.	2357.	2277.	1739.	1821.
875.95	2000.	2163.	2438.	2404.	2319.	1735.	1825.
877.95	2000.	2159.	2449.	2412.	2327.	1764.	1845.

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	-----DEGREES FAHRENHEIT-----						
879.03	2137.	2206.	2441.	2443.	2358.	1790.	1869.
881.01	2140.	2226.	2504.	2462.	2377.	1806.	1890.
883.01	2157.	2241.	2524.	2478.	2401.	1826.	1918.
885.90	2104.	2276.	2563.	2525.	2435.	1835.	1918.
887.88	2210.	2300.	2582.	2544.	2459.	1859.	1953.
889.88	2227.	2311.	2500.	2552.	2470.	1879.	1977.
891.87	2254.	2341.	2610.	2572.	2493.	1851.	1945.
893.85	2250.	2339.	2622.	2575.	2501.	1867.	1965.
895.85	2258.	2347.	2634.	2587.	2521.	1883.	1973.
897.84	2270.	2350.	2641.	2599.	2524.	1867.	1969.
899.82	2285.	2374.	2657.	2619.	2544.	1875.	1965.
905.79	2300.	2389.	2681.	2642.	2563.	1883.	1984.
911.76	2320.	2421.	2695.	2666.	2586.	1879.	1980.
917.73	2281.	2386.	2661.	2623.	2555.	1875.	1973.
923.70	2277.	2370.	2641.	2611.	2536.	1875.	1973.
929.67	2251.	2354.	2626.	2579.	2517.	1891.	1988.
935.64	2227.	2319.	2586.	2544.	2474.	1875.	1973.
941.61	2180.	2280.	2563.	2509.	2447.	1875.	1980.
947.58	2210.	2300.	2567.	2525.	2459.	1867.	1969.
953.55	2207.	2304.	2575.	2536.	2470.	1867.	1949.
959.52	2211.	2286.	2543.	2525.	2459.	1855.	1965.
965.49	2180.	2276.	2547.	2483.	2435.	1843.	1938.
971.46	2157.	2249.	2512.	2470.	2401.	1810.	1922.
977.43	2121.	2222.	2485.	2427.	2373.	1790.	1902.
983.39	2071.	2163.	2438.	2365.	2323.	1781.	1890.
989.36	2047.	2140.	2410.	2345.	2296.	1752.	1845.
995.33	2043.	2128.	2389.	2341.	2284.	1739.	1837.
1001.30	2024.	2113.	2387.	2330.	2273.	1739.	1821.
1007.26	2008.	2089.	2363.	2306.	2250.	1747.	1845.
1013.23	2036.	2109.	2383.	2333.	2277.	1722.	1809.
1019.20	2047.	2121.	2403.	2345.	2292.	1718.	1805.
1049.04	2008.	2078.	2360.	2302.	2253.	1667.	1750.
1078.80	2001.	2078.	2360.	2306.	2257.	1671.	1759.
1108.74	1962.	2046.	2324.	2271.	2222.	1671.	1772.
1138.58	1962.	2039.	2313.	2263.	2207.	1675.	1776.
1168.42	2028.	2101.	2371.	2326.	2265.	1692.	1797.
1198.26	2078.	2159.	2453.	2392.	2339.	1764.	1857.
1228.11	2145.	2226.	2516.	2451.	2389.	1822.	1938.
1257.96	2180.	2249.	2567.	2501.	2443.	1908.	2008.
1287.80	2211.	2304.	2584.	2529.	2474.	1939.	2050.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
-----DEGREES FAHRENHEIT-----							
1317.64	2258.	2339.	2645.	2575.	2521.	1943.	2062.
1347.48	2250.	2335.	2634.	2572.	2521.	1959.	2054.
1377.33	2231.	2333.	2606.	2544.	2490.	1955.	2062.
1407.18	2235.	2311.	2622.	2560.	2509.	1951.	2058.
1437.02	2250.	2327.	2626.	2556.	2505.	1967.	2097.
1440.00	2246.	2331.	2626.	2560.	2513.	1963.	2093.
1454.02	2254.	2343.	2641.	2583.	2513.	2158.	2276.
1469.85	2328.	2417.	2708.	2662.	2583.	2181.	2307.
1484.76	2344.	2421.	2720.	2670.	2590.	2193.	2326.
1499.70	2328.	2413.	2696.	2658.	2563.	2185.	2323.
1514.61	2332.	2413.	2704.	2658.	2567.	2205.	2342.
1529.53	2320.	2389.	2696.	2642.	2563.	2221.	2358.
1544.46	2316.	2397.	2692.	2654.	2555.	2197.	2334.
1559.37	2348.	2421.	2724.	2670.	2590.	2201.	2338.
1589.22	2348.	2421.	2716.	2678.	2594.	2193.	2330.
1619.07	2336.	2421.	2708.	2666.	2583.	2189.	2330.
1648.92	2300.	2389.	2685.	2638.	2563.	2150.	2284.
1678.75	2280.	2370.	2665.	2611.	2540.	2142.	2288.
1708.50	2254.	2335.	2614.	2564.	2490.	2096.	2225.
1738.44	2215.	2284.	2563.	2525.	2439.	2053.	2171.
1768.20	2145.	2226.	2500.	2466.	2389.	1943.	2074.
1798.14	2036.	2105.	2367.	2337.	2261.	1855.	1980.
1827.97	1886.	1953.	2215.	2185.	2106.	1760.	1882.
1857.81	1746.	1804.	2059.	2033.	1967.	1624.	1755.
1887.66	1585.	1640.	1918.	1891.	1832.	1497.	1611.
1917.51	1447.	1482.	1753.	1747.	1686.	1346.	1448.
1947.36	1276.	1267.	1533.	1527.	1479.	1166.	1260.
1977.19	1042.	1056.	1297.	1305.	1275.	983.9	1073.
2007.03	867.7	862.3	1082.	1115.	1098.	792.4	880.8
2036.88	601.3	601.1	798.5	828.0	828.4	584.3	647.6
2066.73	392.0	407.5	567.4	595.9	609.1	421.3	472.5
2096.58	282.0	302.8	415.8	450.4	482.9	323.9	368.2
2126.41	224.4	275.0	331.1	380.5	407.9	254.3	302.4
2156.25	198.6	254.2	261.4	323.9	336.3	212.6	253.9
2186.10	177.8	247.2	226.6	282.2	301.8	191.7	247.0
2220.93	177.8	240.3	212.7	261.3	274.2	191.7	240.1
2250.76	170.8	226.4	212.7	247.4	260.4	184.8	240.1

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TIME SEC.	7-4 C-34	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
91.98-	377.1	379.9	41.43	344.1	157.0
77.07-	390.4	391.5	40.98	356.7	184.9
62.15-	378.9	414.7	116.6	385.7	198.8
47.22-	390.4	356.7	133.3	391.5	226.7
32.31-	425.1	408.9	150.0	397.3	240.7
17.37-	430.8	443.7	150.0	408.9	254.6
2.46-	425.1	466.9	157.0	437.9	282.5
12.46	448.1	455.3	157.0	455.3	303.5
27.39	453.9	472.7	170.9	466.9	310.4
42.30	453.9	478.5	184.9	484.3	345.3
57.24	465.5	484.3	177.9	484.3	357.7
72.15	471.2	478.5	184.9	495.9	369.4
87.07	465.5	495.9	184.9	495.9	381.1
102.00	482.8	478.5	184.9	507.5	404.4
116.91	488.6	501.7	191.8	501.7	410.3
131.85	500.1	490.1	198.8	507.5	433.6
146.76	517.4	525.0	198.8	507.5	445.3
150.75	552.0	548.2	205.7	519.1	451.1
156.72	557.8	637.3	226.7	524.9	451.1
162.68	677.2	690.2	240.6	565.5	468.7
168.65	771.8	801.0	268.5	600.3	468.7
174.62	863.0	876.2	303.3	658.4	486.2
180.59	967.7	976.5	351.8	721.8	497.8
186.55	1055.	1083.	380.9	790.5	515.3
192.52	1136.	1187.	433.4	876.2	538.7
198.49	1238.	1275.	468.4	966.4	567.9
204.46	1333.	1365.	532.6	1059.	597.1
210.42	1435.	1403.	590.9	1149.	645.2
225.36	1600.	1747.	756.4	1423.	788.6
240.27	1930.	2005.	919.8	1701.	1006.
255.20	2170.	2230.	1097.	1974.	1276.
270.12	2403.	2479.	1229.	2230.	1577.
285.03	2406.	2545.	1321.	2370.	1838.
299.97	2547.	2506.	1362.	2444.	2014.
314.88	2543.	2565.	1357.	2456.	2119.
329.81	2520.	2538.	1362.	2444.	2170.
344.73	2434.	2464.	1330.	2401.	2190.
359.64	2378.	2370.	1299.	2331.	2170.
389.49	2152.	2172.	1206.	2180.	2100.
419.34	1974.	1966.	1121.	2020.	1994.

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TIME SEC.	7-6 C-34	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
449.19	1786.	1781.	1034.	1970.	1983.
479.03	1665.	1658.	970.2	1756.	1785.
508.86	1550.	1553.	914.8	1658.	1696.
538.71	1517.	1408.	864.4	1574.	1628.
568.56	1443.	1462.	850.4	1548.	1577.
598.41	1443.	1489.	840.3	1527.	1547.
628.25	1513.	1561.	864.4	1570.	1547.
658.08	1715.	1768.	919.8	1696.	1589.
687.93	1851.	1803.	980.3	1806.	1679.
717.78	1800.	1915.	1025.	1874.	1768.
747.63	1890.	1935.	1068.	1903.	1818.
777.47	1800.	1946.	1063.	1911.	1846.
807.30	1801.	1919.	1068.	1903.	1858.
810.30	1895.	1927.	1078.	1903.	1854.
816.27	1801.	1942.	1068.	1911.	1863.
822.24	1803.	1895.	1073.	1911.	1863.
828.21	1805.	1915.	1063.	1909.	1867.
834.17	1915.	1862.	1068.	1886.	1863.
836.16	1910.	1818.	1063.	1878.	1863.
838.14	1927.	1781.	1058.	1862.	1867.
840.14	1951.	1777.	1049.	1842.	1871.
842.13	1951.	1756.	1049.	1830.	1871.
844.11	1951.	1751.	1044.	1822.	1875.
846.11	1958.	1777.	1044.	1814.	1871.
848.10	1962.	1768.	1034.	1806.	1871.
850.08	1974.	1768.	1034.	1814.	1879.
852.08	1982.	1785.	1034.	1810.	1879.
854.07	1982.	1789.	1044.	1814.	1883.
856.05	1982.	1708.	1044.	1814.	1887.
858.04	1982.	1810.	1044.	1818.	1883.
860.04	1993.	1846.	1044.	1826.	1891.
862.02	2024.	1911.	1044.	1834.	1895.
864.01	2000.	1978.	1049.	1858.	1895.
866.01	2171.	2021.	1068.	1878.	1903.
867.09	2245.	2048.	1092.	1907.	1911.
869.98	2307.	2075.	1107.	1931.	1924.
871.98	2357.	2098.	1126.	1958.	1939.
873.96	2380.	2114.	1135.	1985.	1951.
875.95	2411.	2121.	1163.	2012.	1975.
877.05	2423.	2153.	1177.	2036.	1998.

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TIME SEC.	7-6	7-7	3-5	7-5	3-6
	C-3M	C-5M	T-16	T-20	T-24
-----DEGREES FAHRENHEIT-----					
879.93	2446.	2190.	1196.	2063.	2014.
881.91	2441.	2203.	1215.	2086.	2037.
883.91	2477.	2223.	1220.	2110.	2053.
885.90	2402.	2242.	1234.	2133.	2076.
887.88	2504.	2254.	1238.	2152.	2096.
889.88	2504.	2258.	1257.	2172.	2112.
891.87	2516.	2254.	1266.	2187.	2127.
893.85	2535.	2277.	1280.	2203.	2135.
895.85	2531.	2277.	1284.	2215.	2155.
897.84	2543.	2281.	1283.	2226.	2162.
899.82	2550.	2289.	1288.	2238.	2182.
905.70	2566.	2289.	1330.	2265.	2213.
911.76	2578.	2273.	1325.	2285.	2245.
917.73	2570.	2241.	1344.	2289.	2264.
923.70	2574.	2261.	1334.	2285.	2284.
929.67	2570.	2258.	1330.	2281.	2295.
935.64	2550.	2254.	1316.	2277.	2299.
941.61	2547.	2258.	1312.	2269.	2303.
947.58	2547.	2245.	1312.	2269.	2311.
953.55	2550.	2281.	1312.	2273.	2315.
959.52	2554.	2246.	1316.	2269.	2319.
965.49	2550.	2230.	1312.	2254.	2323.
971.46	2547.	2109.	1307.	2246.	2327.
977.43	2543.	2160.	1293.	2215.	2331.
983.30	2523.	2137.	1289.	2199.	2319.
989.36	2504.	2106.	1261.	2172.	2315.
995.33	2406.	2114.	1261.	2160.	2311.
1001.30	2477.	2118.	1248.	2152.	2303.
1007.26	2458.	2094.	1248.	2141.	2295.
1013.23	2450.	2075.	1234.	2125.	2292.
1019.20	2442.	2093.	1238.	2125.	2280.
1049.04	2353.	2020.	1234.	2090.	2241.
1078.89	2345.	2040.	1215.	2075.	2221.
1108.74	2341.	2032.	1206.	2067.	2209.
1138.58	2353.	2059.	1201.	2071.	2217.
1168.42	2384.	2067.	1220.	2094.	2229.
1198.26	2454.	2153.	1248.	2141.	2264.
1228.11	2571.	2219.	1284.	2207.	2319.
1257.96	2505.	2293.	1303.	2261.	2366.
1287.80	2617.	2332.	1321.	2304.	2417.

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TIME SEC.	7-6 C-3M	7-7 C-5M	7-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
1317.64	2640.	2343.	1344.	2324.	2444.
1347.48	2636.	2328.	1330.	2324.	2460.
1377.33	2636.	2324.	1329.	2320.	2464.
1407.18	2640.	2316.	1330.	2300.	2468.
1437.02	2640.	2316.	1344.	2320.	2483.
1440.00	2652.	2320.	1348.	2320.	2483.
1454.92	2605.	2507.	1344.	2366.	2483.
1469.85	2566.	2620.	1388.	2464.	2472.
1484.76	2562.	2612.	1406.	2487.	2475.
1499.70	2554.	2604.	1410.	2491.	2475.
1514.61	2574.	2608.	1402.	2491.	2479.
1529.53	2550.	2612.	1406.	2495.	2483.
1544.46	2558.	2604.	1406.	2495.	2483.
1559.37	2562.	2620.	1402.	2499.	2491.
1589.22	2554.	2604.	1406.	2495.	2495.
1619.07	2554.	2592.	1406.	2491.	2491.
1648.92	2520.	2542.	1393.	2464.	2479.
1678.75	2504.	2530.	1379.	2444.	2464.
1708.59	2460.	2472.	1362.	2409.	2444.
1738.44	2403.	2425.	1339.	2370.	2409.
1768.29	2326.	2339.	1307.	2304.	2366.
1798.14	2220.	2207.	1266.	2215.	2303.
1827.97	2090.	2075.	1101.	2098.	2221.
1857.81	1943.	1927.	1126.	1981.	2131.
1887.66	1709.	1795.	1058.	1862.	2037.
1917.51	1606.	1620.	985.3	1726.	1939.
1947.36	1430.	1414.	984.6	1565.	1822.
1977.19	1215.	1205.	789.2	1409.	1704.
2007.03	1007.	971.5	687.3	1247.	1585.
2036.88	833.1	716.6	585.1	1069.	1460.
2066.73	645.7	495.9	469.4	901.2	1340.
2096.58	517.4	362.5	375.1	743.0	1220.
2126.41	396.2	274.8	303.3	647.9	1112.
2156.25	322.4	233.2	247.6	571.3	996.0
2186.10	267.3	212.4	198.8	495.9	895.1
2220.93	267.3	198.5	170.9	443.7	799.3
2250.76	253.5	198.5	150.0	408.9	730.2

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
91.98-	107.1	95.18	119.7	134.3	201.9
77.07-	110.9	100.4	123.9	150.0	220.1
62.15-	116.1	107.0	131.7	160.4	240.8
47.22-	126.5	105.6	139.6	173.4	256.4
32.31-	134.4	110.8	147.4	198.0	269.4
17.37-	142.2	117.5	150.0	204.5	285.2
2.46-	150.0	119.7	155.2	217.5	301.4
12.46	157.8	123.9	163.0	230.4	314.9
27.39	165.5	126.5	170.8	243.4	328.4
42.30	175.9	134.3	179.5	256.4	339.2
57.24	186.2	136.9	189.9	269.4	352.7
72.15	196.6	144.8	196.7	282.4	363.5
87.07	207.0	150.0	201.9	293.2	374.2
102.00	217.3	150.0	212.3	306.7	387.5
116.91	227.7	157.8	220.1	320.2	398.2
131.85	238.0	165.6	227.8	333.7	408.9
146.76	248.4	173.3	239.2	347.2	422.2
150.75	251.0	175.9	239.2	349.9	424.8
156.72	256.2	175.9	247.4	355.3	430.2
162.68	261.3	170.5	243.4	360.7	435.5
168.65	263.9	183.7	240.6	366.1	440.8
174.62	260.1	186.3	251.2	368.0	448.8
180.59	274.3	189.9	256.4	374.1	456.8
186.55	270.5	191.5	259.0	379.5	467.5
192.52	284.8	196.7	261.6	384.8	483.3
198.49	287.5	199.3	266.8	392.8	501.6
204.46	295.6	204.5	260.4	400.8	525.2
210.42	301.0	209.7	277.1	408.0	548.8
225.36	314.5	220.0	290.5	435.4	625.6
240.27	339.7	240.8	306.7	470.1	730.1
255.20	365.6	269.3	331.0	517.2	857.6
270.12	400.3	314.8	366.1	577.0	999.2
285.03	449.1	382.1	408.8	653.5	1151.
299.97	509.6	470.0	470.1	737.6	1288.
314.88	576.1	566.7	547.4	834.5	1406.
329.81	652.5	661.0	620.3	931.0	1498.
344.73	726.2	740.0	701.9	1012.	1558.
359.64	789.8	801.1	775.9	1080.	1587.
389.49	883.9	872.5	885.5	1168.	1597.
419.34	931.9	899.0	943.6	1207.	1561.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
-----DEGREES FAHRENHEIT-----					
449.19	940.5	892.0	861.2	1209.	1506.
479.03	944.4	887.7	852.7	1194.	1443.
508.26	920.4	867.3	846.1	1168.	1380.
538.71	914.3	847.0	822.5	1138.	1325.
568.56	901.7	820.2	810.8	1110.	1286.
598.41	889.0	819.0	802.2	1092.	1258.
628.25	886.5	816.4	800.6	1082.	1248.
658.02	880.0	821.5	805.7	1080.	1255.
687.03	901.7	839.4	802.3	1092.	1299.
717.72	921.8	867.4	833.5	1118.	1354.
747.63	940.5	895.4	852.7	1151.	1401.
777.47	977.1	925.7	882.9	1179.	1430.
807.30	990.7	950.9	1014.	1207.	1451.
810.30	1002.	950.9	1017.	1209.	1451.
816.27	1007.	950.4	1024.	1212.	1453.
822.24	1012.	960.9	1024.	1217.	1458.
828.21	1015.	966.0	1032.	1219.	1458.
834.17	1020.	969.5	1034.	1224.	1464.
836.16	1020.	971.0	1034.	1224.	1464.
838.14	1020.	971.0	1039.	1227.	1464.
840.14	1022.	971.0	1039.	1227.	1464.
842.13	1022.	973.5	1037.	1227.	1466.
844.11	1025.	973.5	1039.	1227.	1466.
846.11	1025.	973.5	1039.	1232.	1466.
848.10	1027.	976.0	1044.	1232.	1466.
850.02	1027.	972.5	1044.	1232.	1469.
852.02	1030.	972.5	1044.	1235.	1469.
854.07	1032.	981.1	1044.	1232.	1471.
856.05	1032.	981.1	1044.	1237.	1474.
858.04	1032.	981.1	1047.	1237.	1474.
860.04	1035.	983.6	1047.	1240.	1474.
862.02	1035.	983.6	1049.	1240.	1477.
864.01	1037.	983.6	1049.	1240.	1477.
866.01	1040.	986.1	1049.	1242.	1479.
867.99	1040.	986.1	1049.	1242.	1482.
869.02	1040.	986.1	1049.	1245.	1485.
871.02	1042.	989.6	1052.	1247.	1490.
873.06	1042.	991.1	1054.	1247.	1492.
875.05	1045.	991.1	1054.	1247.	1498.
877.95	1047.	993.7	1054.	1250.	1503.

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TIME SEC.	4-5 T-17	8-2 T-18	4-6 T-19	4-7 T-22	8-7 T-23
-----DEGREES FAHRENHEIT-----					
879.93	1047.	996.2	1054.	1252.	1508.
881.91	1050.	996.2	1057.	1255.	1513.
883.91	1050.	998.7	1057.	1255.	1519.
885.90	1053.	1004.	1059.	1257.	1527.
887.88	1055.	1006.	1059.	1260.	1534.
889.88	1058.	1009.	1062.	1260.	1542.
891.87	1060.	1011.	1064.	1265.	1550.
893.85	1063.	1014.	1064.	1270.	1558.
895.85	1063.	1016.	1067.	1270.	1566.
897.84	1065.	1019.	1072.	1273.	1574.
899.82	1070.	1024.	1072.	1273.	1582.
905.79	1078.	1031.	1077.	1285.	1608.
911.76	1088.	1044.	1082.	1293.	1626.
917.73	1095.	1057.	1090.	1306.	1650.
923.70	1103.	1067.	1097.	1316.	1668.
929.67	1113.	1077.	1105.	1330.	1684.
935.64	1123.	1087.	1110.	1340.	1702.
941.61	1131.	1097.	1120.	1351.	1713.
947.58	1141.	1104.	1123.	1364.	1724.
953.55	1149.	1115.	1133.	1374.	1735.
959.52	1158.	1122.	1140.	1382.	1743.
965.49	1168.	1130.	1148.	1392.	1752.
971.46	1174.	1135.	1153.	1400.	1757.
977.43	1182.	1143.	1161.	1411.	1763.
983.39	1189.	1145.	1166.	1419.	1771.
989.36	1194.	1153.	1171.	1427.	1774.
995.33	1202.	1155.	1176.	1434.	1776.
1001.30	1207.	1160.	1179.	1440.	1774.
1007.26	1215.	1163.	1184.	1445.	1779.
1013.23	1217.	1166.	1189.	1450.	1776.
1019.20	1220.	1166.	1191.	1455.	1776.
1049.04	1235.	1173.	1199.	1468.	1771.
1078.89	1242.	1181.	1207.	1471.	1752.
1108.74	1250.	1183.	1207.	1474.	1746.
1138.58	1263.	1191.	1212.	1479.	1743.
1168.42	1275.	1204.	1219.	1487.	1752.
1198.26	1288.	1219.	1232.	1500.	1765.
1228.11	1309.	1237.	1245.	1516.	1798.
1257.96	1330.	1262.	1268.	1539.	1828.
1287.80	1356.	1285.	1283.	1565.	1864.

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TIME SEC.	4-5 T-17	8-6 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
1317.64	1385.	1313.	1300.	1594.	1892.
1347.48	1411.	1340.	1372.	1618.	1914.
1377.33	1434.	1358.	1351.	1639.	1931.
1407.18	1453.	1376.	1369.	1657.	1937.
1437.02	1476.	1307.	1387.	1673.	1951.
1440.00	1470.	1403.	1392.	1673.	1951.
1454.02	1480.	1413.	1408.	1681.	1959.
1469.85	1407.	1426.	1427.	1691.	1965.
1484.76	1510.	1442.	1445.	1699.	1968.
1499.70	1527.	1460.	1443.	1710.	1976.
1514.61	1530.	1476.	1482.	1715.	1979.
1529.53	1540.	1489.	1500.	1729.	1988.
1544.46	1540.	1502.	1513.	1735.	1996.
1559.37	1570.	1513.	1526.	1740.	1999.
1589.22	1581.	1528.	1542.	1754.	2005.
1619.07	1580.	1534.	1555.	1762.	2010.
1648.92	1504.	1539.	1563.	1765.	2005.
1678.75	1501.	1541.	1563.	1762.	2002.
1708.59	1583.	1528.	1550.	1754.	1990.
1738.44	1575.	1515.	1537.	1743.	1973.
1768.29	1565.	1505.	1521.	1732.	1948.
1798.14	1552.	1486.	1500.	1721.	1920.
1827.97	1536.	1443.	1476.	1702.	1878.
1857.81	1515.	1437.	1448.	1675.	1826.
1887.66	1402.	1405.	1416.	1647.	1763.
1917.51	1466.	1376.	1379.	1615.	1702.
1947.36	1432.	1340.	1348.	1581.	1634.
1977.19	1308.	1300.	1301.	1537.	1558.
2007.03	1356.	1252.	1252.	1487.	1474.
2036.88	1304.	1201.	1196.	1429.	1382.
2066.73	1242.	1140.	1133.	1361.	1296.
2096.58	1161.	1064.	1062.	1278.	1194.
2126.41	1073.	991.1	988.9	1184.	1080.
2156.25	992.2	918.1	918.4	1080.	958.9
2186.10	916.8	857.2	854.9	983.9	847.4
2220.93	843.2	794.0	791.1	882.9	745.4
2250.76	780.8	755.3	745.3	811.5	676.6

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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-22, T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 65^{\circ}\text{F}$.

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T-17, T-18, T-19, T-22, T-23

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-44	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
99.99-	309.5	288.3	360.0	386.2	372.6	261.2	295.3
85.07-	323.4	309.0	392.3	409.4	384.1	282.1	336.8
70.16-	337.3	309.0	415.6	426.9	407.1	309.9	336.8
55.22-	344.2	315.9	421.4	432.7	407.1	316.9	362.1
40.31-	351.0	336.7	427.2	450.2	424.4	323.8	362.1
25.38-	369.4	350.4	450.5	473.4	435.0	323.8	356.3
10.46-	374.2	356.2	468.0	485.0	453.1	351.4	391.1
4.45	369.4	347.6	468.0	490.9	453.1	363.0	396.8
19.39	391.6	367.0	467.2	496.7	453.1	357.2	402.6
34.30	391.6	373.6	485.5	514.1	470.4	374.6	425.8
49.23	391.6	379.4	503.0	519.9	481.9	380.4	420.0
64.15	385.8	367.8	497.1	519.9	481.9	386.3	437.4
79.06	391.6	373.6	491.3	514.1	481.0	415.4	466.3
94.00	397.4	373.6	485.5	514.1	481.9	386.3	431.6
108.91	397.4	379.4	491.3	525.8	487.7	386.3	431.6
123.84	397.4	385.2	503.0	531.6	493.4	397.9	443.2
138.76	397.4	373.6	514.6	543.2	499.2	380.4	414.2
150.70	484.5	447.0	596.2	633.0	585.5	427.0	472.1
156.67	679.8	581.9	734.4	822.4	754.5	479.4	547.4
162.64	743.2	662.5	847.4	927.9	851.3	508.5	564.7
168.61	811.3	741.6	919.9	998.3	915.9	622.6	694.4
174.59	901.6	834.5	1048.	1128.	1039.	686.2	757.7
180.54	986.8	919.5	1129.	1212.	1115.	760.3	834.8
186.51	1075.	989.5	1229.	1291.	1194.	832.7	914.9
192.48	1145.	1105.	1328.	1398.	1299.	913.2	999.9
198.45	1107.	1166.	1413.	1474.	1370.	998.6	1077.
204.41	1311.	1286.	1527.	1602.	1493.	1085.	1162.
210.38	1427.	1398.	1659.	1725.	1606.	1194.	1273.
225.31	1659.	1659.	1920.	1977.	1859.	1452.	1529.
240.22	1805.	1915.	2178.	2219.	2101.	1675.	1770.
255.15	2091.	2148.	2420.	2437.	2325.	1882.	1970.
270.07	2270.	2342.	2616.	2621.	2514.	2087.	2192.
284.99	2332.	2404.	2693.	2672.	2572.	2149.	2254.
299.92	2379.	2455.	2714.	2711.	2610.	2169.	2293.
314.83	2305.	2400.	2671.	2656.	2560.	2114.	2231.
329.76	2247.	2342.	2604.	2589.	2502.	2052.	2184.
344.68	2173.	2249.	2518.	2503.	2417.	1985.	2114.
359.60	2056.	2117.	2401.	2383.	2298.	1895.	2013.
389.44	1870.	1923.	2206.	2195.	2112.	1725.	1835.
419.29	1722.	1765.	2014.	2020.	1939.	1590.	1698.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
449.14	1545.	1579.	1841.	1853.	1787.	1443.	1550.
478.98	1450.	1477.	1748.	1750.	1694.	1372.	1460.
508.82	1348.	1342.	1617.	1627.	1573.	1273.	1367.
538.66	1307.	1313.	1561.	1577.	1523.	1203.	1295.
568.51	1280.	1286.	1532.	1555.	1493.	1185.	1268.
598.36	1307.	1308.	1557.	1585.	1518.	1194.	1273.
628.20	1432.	1420.	1643.	1699.	1623.	1255.	1341.
658.04	1621.	1626.	1900.	1930.	1843.	1434.	1508.
687.88	1672.	1710.	1971.	1985.	1907.	1539.	1618.
717.73	1718.	1752.	2014.	2024.	1950.	1573.	1651.
747.58	1731.	1769.	2022.	2039.	1966.	1505.	1584.
777.42	1714.	1773.	2018.	2032.	1958.	1501.	1567.
807.26	1607.	1731.	1905.	2004.	1935.	1501.	1576.
810.25	1607.	1744.	1901.	2004.	1935.	1492.	1571.
816.22	1680.	1739.	1995.	2008.	1935.	1505.	1576.
822.19	1680.	1735.	1991.	2008.	1931.	1496.	1554.
828.16	1642.	1706.	1947.	1961.	1903.	1465.	1533.
833.13	1583.	1651.	1929.	1998.	1847.	1377.	1456.
835.12	1600.	1655.	1932.	1914.	1859.	1337.	1416.
837.10	1612.	1663.	1936.	1922.	1871.	1318.	1385.
839.10	1620.	1676.	1936.	1930.	1871.	1350.	1420.
841.09	1620.	1648.	1936.	1926.	1875.	1318.	1398.
843.07	1638.	1680.	1948.	1942.	1887.	1364.	1447.
845.07	1642.	1685.	1960.	1946.	1895.	1364.	1438.
847.06	1646.	1685.	1947.	1950.	1903.	1341.	1411.
849.04	1650.	1701.	1975.	1961.	1911.	1355.	1425.
851.03	1672.	1710.	1970.	1973.	1915.	1364.	1438.
853.03	1705.	1744.	2010.	1997.	1943.	1359.	1442.
855.01	1814.	1814.	2100.	2102.	2039.	1368.	1447.
857.00	1801.	1871.	2167.	2176.	2120.	1399.	1473.
859.00	1908.	1970.	2260.	2273.	2213.	1488.	1546.
860.98	2075.	2047.	2339.	2351.	2282.	1483.	1550.
862.97	2103.	2098.	2370.	2393.	2313.	1526.	1584.
864.97	2000.	2121.	2389.	2379.	2317.	1586.	1656.
866.95	2114.	2140.	2417.	2402.	2340.	1675.	1748.
868.94	2130.	2156.	2440.	2418.	2356.	1704.	1778.
870.94	2142.	2175.	2459.	2445.	2383.	1721.	1803.
872.92	2153.	2101.	2479.	2457.	2398.	1709.	1782.
874.90	2102.	2226.	2518.	2492.	2433.	1738.	1815.
876.90	2208.	2253.	2530.	2519.	2444.	1755.	1827.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
878.89	2254.	2288.	2569.	2550.	2483.	1781.	1859.
880.87	2254.	2209.	2584.	2558.	2494.	1793.	1875.
882.87	2251.	2307.	2506.	2562.	2498.	1826.	1904.
884.86	2258.	2323.	2612.	2574.	2514.	1842.	1924.
886.84	2270.	2374.	2616.	2585.	2525.	1850.	1936.
888.84	2278.	2350.	2628.	2589.	2521.	1862.	1947.
890.83	2301.	2342.	2643.	2617.	2548.	1854.	1939.
892.81	2305.	2369.	2655.	2625.	2564.	1850.	1932.
894.81	2321.	2381.	2663.	2636.	2575.	1870.	1955.
896.80	2321.	2389.	2679.	2648.	2583.	1870.	1963.
898.78	2332.	2400.	2683.	2660.	2591.	1870.	1963.
900.77	2367.	2420.	2698.	2680.	2610.	1870.	1963.
906.74	2317.	2389.	2679.	2632.	2587.	1886.	1967.
912.71	2317.	2385.	2659.	2629.	2575.	1870.	1970.
918.68	2282.	2354.	2643.	2601.	2560.	1870.	1963.
924.64	2283.	2342.	2647.	2601.	2556.	1862.	1951.
930.61	2180.	2292.	2591.	2511.	2471.	1878.	1974.
936.58	2181.	2272.	2557.	2503.	2456.	1862.	1951.
942.55	2173.	2268.	2553.	2488.	2444.	1866.	1959.
948.52	2208.	2296.	2577.	2523.	2471.	1862.	1951.
954.49	2204.	2284.	2569.	2511.	2464.	1854.	1943.
960.46	2157.	2249.	2530.	2476.	2429.	1850.	1939.
966.43	2130.	2210.	2487.	2437.	2390.	1797.	1887.
972.40	2145.	2214.	2491.	2453.	2410.	1785.	1879.
978.37	2075.	2164.	2424.	2383.	2336.	1759.	1859.
984.34	2064.	2144.	2417.	2371.	2329.	1764.	1851.
990.31	2064.	2173.	2405.	2367.	2313.	1734.	1827.
996.28	2056.	2125.	2405.	2355.	2313.	1717.	1819.
1002.25	2052.	2121.	2393.	2355.	2309.	1704.	1799.
1008.22	2037.	2102.	2377.	2336.	2290.	1704.	1807.
1014.18	2037.	2098.	2370.	2336.	2286.	1696.	1795.
1020.16	2040.	2094.	2366.	2336.	2286.	1709.	1791.
1049.99	2021.	2067.	2350.	2312.	2271.	1649.	1740.
1079.83	2005.	2067.	2335.	2312.	2267.	1645.	1732.
1109.68	1978.	2040.	2307.	2269.	2228.	1649.	1740.
1139.53	1900.	2047.	2323.	2301.	2251.	1670.	1753.
1169.38	2044.	2008.	2377.	2340.	2294.	1683.	1774.
1199.21	2122.	2183.	2456.	2425.	2363.	1772.	1843.
1229.05	2181.	2245.	2518.	2480.	2417.	1834.	1932.
1258.90	2223.	2284.	2561.	2519.	2456.	1915.	2017.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1288.75	2270.	2374.	2416.	2578.	2521.	1931.	2029.
1318.40	2207.	2342.	2443.	2597.	2548.	1939.	2044.
1348.43	2200.	2358.	2424.	2585.	2533.	1935.	2033.
1378.27	2247.	2160.	2404.	2558.	2506.	1946.	2048.
1408.12	2247.	2370.	2400.	2558.	2506.	1931.	2025.
1437.07	2247.	2327.	2400.	2554.	2502.	1919.	2029.
1440.05	2251.	2377.	2506.	2554.	2498.	1903.	2001.
1455.08	2307.	2451.	2714.	2703.	2426.	2220.	2312.
1470.70	2370.	2447.	2706.	2699.	2418.	2153.	2262.
1485.72	2371.	2443.	2726.	2695.	2434.	2184.	2297.
1500.64	2307.	2455.	2710.	2695.	2407.	2177.	2293.
1515.56	2371.	2447.	2714.	2687.	2407.	2208.	2304.
1530.40	2370.	2447.	2702.	2691.	2414.	2181.	2304.
1545.40	2356.	2441.	2695.	2683.	2410.	2181.	2300.
1560.73	2367.	2443.	2714.	2691.	2414.	2204.	2312.
1590.17	2367.	2475.	2710.	2695.	2418.	2196.	2304.
1620.01	2360.	2420.	2675.	2672.	2591.	2181.	2300.
1649.06	2325.	2373.	2655.	2640.	2548.	2134.	2258.
1670.71	2207.	2345.	2628.	2621.	2533.	2134.	2246.
1709.55	2250.	2373.	2502.	2562.	2479.	2095.	2203.
1739.20	2216.	2250.	2540.	2531.	2442.	2048.	2153.
1769.27	2122.	2117.	2452.	2433.	2352.	1943.	2048.
1799.00	1911.	1901.	2240.	2230.	2159.	1854.	1951.
1828.93	1704.	1846.	2108.	2090.	2020.	1742.	1835.
1858.77	1642.	1609.	1964.	1938.	1967.	1641.	1732.
1888.61	1480.	1501.	1786.	1788.	1720.	1505.	1588.
1918.45	1261.	1322.	1570.	1555.	1489.	1327.	1398.
1948.30	1003.	1173.	1373.	1372.	1326.	1133.	1217.
1978.15	886.5	914.5	1143.	1152.	1105.	968.4	1029.
2007.00	637.5	670.3	870.6	902.8	866.2	770.9	834.8
2037.07	455.4	466.2	654.8	686.0	696.4	549.2	610.1
2067.67	340.2	347.6	473.8	519.0	573.7	392.1	454.7
2097.52	250.0	257.7	374.8	400.4	430.1	316.9	373.7
2127.37	210.4	210.1	307.1	351.3	361.0	247.3	316.0
2157.21	184.7	184.6	254.4	289.0	328.8	212.6	267.6
2187.05	184.7	191.5	247.4	295.9	308.2	212.6	267.6
2216.80	170.8	177.6	240.5	275.1	294.4	205.6	267.6
2246.74	170.8	177.6	210.6	261.2	280.7	191.7	253.8

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TIME SEC.	7-6 C-7M	7-7 C-7M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
99.99-	367.6	357.9	62.79	281.6	191.8
85.77-	384.9	368.3	81.76	302.3	212.6
70.16-	402.2	397.3	90.64	316.2	226.5
55.22-	396.5	426.3	108.3	330.1	233.5
40.31-	408.0	420.5	108.3	356.5	248.3
25.38-	436.9	420.5	125.0	342.3	275.3
10.46-	442.7	455.3	125.0	379.7	289.2
4.45	436.9	478.5	133.3	391.3	296.2
19.39	442.7	464.9	150.0	408.6	310.1
34.30	465.8	472.7	150.0	420.2	331.0
49.23	483.2	478.5	150.0	431.8	344.9
64.15	477.4	478.5	150.0	431.8	351.5
79.06	471.6	495.9	157.0	437.6	369.0
94.00	477.4	484.3	160.0	455.0	380.7
108.91	494.7	478.5	157.0	455.0	392.3
123.80	500.5	484.3	157.0	455.0	409.8
138.76	512.1	478.5	157.0	460.8	421.4
150.70	544.7	565.5	170.9	466.6	427.3
156.67	614.6	674.3	177.9	478.2	438.9
162.60	740.9	747.9	191.9	489.8	433.1
168.61	838.8	851.1	212.8	530.4	450.6
174.58	953.7	944.3	240.7	553.5	450.6
180.54	1041.	1075.	275.6	605.2	468.0
186.51	1137.	1121.	317.4	647.4	479.7
192.48	1230.	1224.	360.4	721.3	508.8
198.45	1312.	1315.	414.1	789.9	526.3
204.41	1427.	1422.	474.5	880.5	567.1
210.38	1571.	1536.	544.6	975.6	601.8
225.31	1800.	1810.	714.3	1255.	734.4
240.22	2045.	2055.	885.2	1564.	934.0
255.15	2274.	2300.	1044.	1865.	1181.
270.07	2487.	2491.	1206.	2127.	1475.
284.99	2557.	2545.	1285.	2263.	1718.
299.92	2596.	2600.	1331.	2345.	1892.
314.83	2572.	2561.	1331.	2349.	1987.
329.76	2518.	2522.	1326.	2341.	2042.
344.68	2441.	2448.	1308.	2302.	2053.
359.60	2388.	2339.	1262.	2236.	2042.
389.44	2166.	2152.	1183.	2092.	1971.
419.29	1952.	1978.	1112.	1949.	1880.

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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
449.14	1788.	1748.	1011.	1779.	1769.
478.08	1675.	1679.	850.7	1670.	1676.
508.82	1565.	1586.	895.2	1577.	1600.
538.66	1515.	1522.	840.8	1496.	1532.
568.51	1474.	1471.	830.7	1470.	1489.
598.36	1502.	1493.	824.6	1452.	1462.
628.20	1557.	1548.	840.8	1488.	1462.
658.04	1774.	1793.	930.5	1623.	1502.
687.88	1885.	1886.	1006.	1746.	1604.
717.73	1921.	1927.	1020.	1800.	1672.
747.58	1925.	1919.	1045.	1816.	1714.
777.42	1933.	1931.	1035.	1820.	1735.
807.26	1925.	1931.	1040.	1816.	1752.
810.25	1933.	1927.	1040.	1820.	1757.
816.22	1925.	1927.	1035.	1820.	1752.
822.10	1933.	1927.	1040.	1824.	1761.
828.16	1920.	1809.	1035.	1820.	1757.
833.13	1949.	1814.	1030.	1796.	1761.
835.12	1980.	1789.	1016.	1792.	1761.
837.10	1987.	1748.	1011.	1784.	1765.
839.10	1901.	1744.	1011.	1771.	1765.
841.09	1901.	1747.	1016.	1767.	1774.
843.07	1900.	1777.	1011.	1758.	1769.
845.07	2011.	1772.	1016.	1746.	1769.
847.06	2011.	1772.	1001.	1741.	1778.
849.04	2026.	1785.	1006.	1746.	1782.
851.03	2034.	1793.	1006.	1741.	1782.
853.03	2045.	1810.	1011.	1746.	1791.
855.01	2061.	1850.	1011.	1750.	1786.
857.00	2053.	1874.	1020.	1758.	1791.
859.00	2088.	1927.	1030.	1767.	1795.
860.98	2146.	1946.	1040.	1784.	1803.
862.97	2235.	1989.	1064.	1804.	1811.
864.97	2317.	2024.	1093.	1828.	1811.
866.95	2300.	2075.	1107.	1857.	1823.
868.94	2425.	2102.	1122.	1881.	1839.
870.94	2454.	2125.	1136.	1909.	1860.
872.92	2483.	2173.	1145.	1933.	1884.
874.90	2514.	2156.	1159.	1956.	1900.
876.90	2541.	2172.	1178.	1980.	1928.

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TIME SEC.	7-6 C-34	7-7 C-5M	7-5 T-16	7-5 T-20	7-6 T-24
	-----DEGREES FAHRENHEIT-----				
878.89	2557.	2211.	1192.	2007.	1944.
880.87	2572.	2222.	1206.	2030.	1964.
882.87	2604.	2238.	1220.	2054.	1983.
884.86	2631.	2257.	1225.	2073.	2003.
886.84	2644.	2257.	1234.	2092.	2030.
888.84	2644.	2269.	1253.	2116.	2042.
890.83	2654.	2277.	1262.	2131.	2057.
892.81	2650.	2289.	1267.	2143.	2077.
894.81	2654.	2292.	1271.	2151.	2092.
896.80	2659.	2296.	1271.	2162.	2108.
898.78	2670.	2292.	1276.	2174.	2124.
900.77	2670.	2300.	1285.	2190.	2135.
906.74	2666.	2289.	1299.	2209.	2163.
912.71	2670.	2291.	1299.	2217.	2186.
918.68	2666.	2273.	1303.	2217.	2206.
924.64	2717.	2265.	1299.	2217.	2225.
930.61	2717.	2246.	1303.	2213.	2241.
936.58	2717.	2269.	1285.	2213.	2264.
942.55	2717.	2273.	1290.	2213.	2272.
948.52	2732.	2281.	1285.	2213.	2284.
954.49	2724.	2269.	1290.	2221.	2292.
960.46	2674.	2254.	1285.	2205.	2303.
966.43	2608.	2215.	1280.	2197.	2296.
972.40	2584.	2187.	1271.	2178.	2280.
978.37	2561.	2173.	1258.	2155.	2268.
984.34	2540.	2177.	1248.	2131.	2256.
990.31	2530.	2166.	1230.	2116.	2249.
996.28	2518.	2110.	1234.	2100.	2237.
1002.25	2507.	2162.	1220.	2092.	2233.
1008.22	2470.	2098.	1220.	2085.	2217.
1014.10	2476.	2071.	1216.	2073.	2214.
1020.16	2452.	2075.	1216.	2061.	2202.
1049.99	2379.	2024.	1192.	2022.	2163.
1079.83	2387.	2044.	1188.	2019.	2143.
1109.68	2390.	2020.	1169.	1991.	2143.
1139.53	2398.	2063.	1183.	2007.	2143.
1169.38	2441.	2090.	1206.	2034.	2167.
1199.21	2510.	2149.	1234.	2092.	2202.
1229.05	2592.	2222.	1276.	2158.	2256.
1258.00	2646.	2300.	1303.	2221.	2303.

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TIME SEC.	7-6 C-3M	7-7 C-4M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
1288.75	2674.	2371.	1313.	2259.	2354.
1318.60	2680.	2339.	1335.	2287.	2381.
1348.43	2603.	2371.	1331.	2291.	2401.
1378.27	2603.	2327.	1326.	2283.	2405.
1408.12	2682.	2374.	1322.	2275.	2413.
1437.97	2685.	2370.	1326.	2279.	2417.
1440.95	2680.	2368.	1322.	2279.	2421.
1455.88	2600.	2604.	1367.	2372.	2413.
1470.70	2588.	2604.	1390.	2450.	2405.
1485.72	2586.	2612.	1394.	2458.	2401.
1500.64	2592.	2608.	1398.	2473.	2409.
1515.56	2507.	2616.	1394.	2469.	2409.
1530.40	2592.	2612.	1402.	2477.	2417.
1545.40	2580.	2608.	1394.	2473.	2413.
1560.33	2592.	2616.	1402.	2481.	2417.
1590.17	2506.	2612.	1398.	2473.	2421.
1620.01	2588.	2592.	1398.	2473.	2421.
1649.86	2565.	2553.	1390.	2446.	2409.
1679.71	2578.	2570.	1376.	2427.	2393.
1709.55	2498.	2479.	1362.	2395.	2370.
1739.39	2448.	2476.	1371.	2349.	2335.
1769.23	2374.	2327.	1308.	2283.	2288.
1799.08	2247.	2109.	1230.	2162.	2225.
1828.93	2002.	2092.	1169.	2057.	2147.
1858.77	1940.	1915.	1098.	1937.	2061.
1888.61	1706.	1772.	1025.	1828.	1968.
1918.45	1500.	1673.	840.6	1678.	1868.
1948.30	1306.	1345.	854.9	1526.	1765.
1978.15	1188.	1197.	746.2	1355.	1646.
2007.99	963.6	931.3	650.5	1181.	1527.
2037.83	704.1	667.7	538.7	1005.	1405.
2067.67	520.4	447.7	451.2	845.5	1274.
2097.52	413.8	337.2	375.3	716.0	1148.
2127.37	322.6	274.8	310.4	626.3	1038.
2157.21	267.4	240.1	254.6	547.7	929.0
2187.05	274.3	226.3	198.8	484.0	843.4
2216.80	253.6	226.3	184.9	443.4	771.5
2246.74	232.9	205.5	164.0	408.6	707.0

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TIME SEC.	4-5 T-17	8-8 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
99.99-	266.5	282.4	281.0	238.2	230.3
85.07-	260.0	285.1	284.6	248.6	245.8
70.14-	271.6	285.1	284.8	259.0	258.8
55.22-	274.2	285.1	281.4	266.8	269.1
40.31-	270.4	287.8	284.0	277.2	279.5
25.38-	284.8	287.8	271.7	285.2	290.2
10.46-	287.4	290.5	274.3	293.3	298.3
4.45	290.1	293.2	279.5	301.4	309.1
19.39	292.8	293.2	282.2	309.5	317.2
34.30	298.2	295.9	287.6	317.6	327.9
49.23	303.6	298.6	292.9	323.0	338.7
64.15	311.7	301.3	299.3	336.5	352.2
79.06	317.1	304.0	303.7	344.6	362.9
94.00	322.4	306.7	309.1	355.4	373.7
108.91	327.8	312.1	317.2	363.5	384.3
123.84	335.9	314.8	322.6	374.2	392.3
138.76	341.3	317.5	328.0	382.2	400.3
150.70	346.7	320.1	333.4	390.2	410.9
156.67	340.4	322.8	336.1	395.5	413.6
162.64	352.0	322.8	339.7	398.2	418.9
168.61	354.7	325.5	341.4	400.0	424.2
174.58	357.4	328.2	346.8	406.2	432.2
180.54	362.8	330.9	346.8	408.8	440.1
186.51	365.5	330.9	349.5	416.8	450.8
192.48	368.2	336.3	354.9	419.5	464.1
198.45	373.5	334.3	357.6	427.5	479.9
204.41	374.2	341.7	363.0	432.8	498.2
210.38	381.5	344.4	365.7	443.5	521.7
225.31	394.8	355.2	379.0	467.5	591.4
240.22	410.7	374.1	395.0	499.0	680.4
255.15	434.7	400.7	414.3	543.5	794.9
270.07	463.9	446.0	448.2	597.5	926.9
284.00	505.8	504.6	487.8	666.4	1068.
299.92	560.6	584.5	540.1	745.4	1197.
314.83	619.1	663.5	609.3	829.5	1309.
329.76	685.2	742.5	690.6	916.0	1398.
344.68	748.8	803.6	754.3	994.1	1460.
359.60	804.7	854.6	818.0	1055.	1494.
389.44	891.2	910.5	914.5	1136.	1513.
419.29	934.0	925.6	962.2	1171.	1489.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
449.14	944.5	927.6	979.8	1174.	1432.
478.08	941.5	905.5	974.8	1158.	1366.
508.82	931.4	884.2	959.7	1136.	1311.
538.66	916.4	867.4	942.1	1110.	1260.
568.51	904.3	854.6	924.5	1090.	1225.
598.36	892.8	844.4	914.5	1075.	1199.
628.20	892.8	841.9	906.9	1065.	1192.
658.04	892.8	840.5	906.9	1065.	1202.
687.88	913.9	860.9	919.5	1077.	1245.
717.73	936.5	897.9	942.1	1102.	1291.
747.58	961.6	925.6	960.8	1136.	1332.
777.42	986.7	953.3	997.4	1161.	1356.
807.26	1000.	976.0	1023.	1186.	1377.
810.25	1012.	972.5	1025.	1186.	1377.
816.22	1014.	981.0	1030.	1192.	1379.
822.19	1010.	984.1	1035.	1194.	1382.
828.16	1022.	988.6	1040.	1202.	1387.
833.13	1024.	991.1	1043.	1204.	1387.
835.12	1027.	993.6	1045.	1204.	1390.
837.10	1027.	994.1	1048.	1204.	1390.
839.10	1020.	994.1	1049.	1207.	1392.
841.09	1032.	996.1	1048.	1207.	1392.
843.07	1032.	999.6	1050.	1212.	1395.
845.07	1032.	999.6	1053.	1212.	1395.
847.06	1034.	1001.	1055.	1212.	1395.
849.04	1037.	1001.	1055.	1212.	1395.
851.03	1037.	1001.	1055.	1212.	1398.
853.03	1030.	1004.	1058.	1217.	1400.
855.01	1030.	1004.	1058.	1217.	1400.
857.00	1042.	1006.	1060.	1220.	1403.
859.00	1042.	1006.	1060.	1220.	1403.
860.98	1044.	1009.	1060.	1220.	1406.
862.97	1047.	1009.	1063.	1222.	1408.
864.97	1047.	1009.	1063.	1222.	1411.
866.95	1040.	1011.	1063.	1225.	1416.
868.94	1040.	1011.	1065.	1227.	1416.
870.94	1052.	1014.	1065.	1230.	1421.
872.92	1055.	1019.	1065.	1230.	1424.
874.90	1055.	1019.	1065.	1230.	1429.
876.90	1057.	1021.	1065.	1232.	1437.

CALC	08/01/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 COND. NO. 02 SPEC. 0378 RUN 03 THE BOEING COMPANY	Vol. III
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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
878.89	1057.	1074.	1068.	1235.	1442.
880.87	1067.	1074.	1068.	1237.	1450.
882.87	1062.	1026.	1073.	1242.	1455.
884.84	1065.	1071.	1073.	1240.	1460.
886.84	1067.	1074.	1073.	1242.	1471.
888.84	1072.	1074.	1073.	1245.	1479.
890.87	1072.	1079.	1075.	1250.	1489.
892.81	1072.	1081.	1078.	1253.	1494.
894.81	1077.	1044.	1078.	1255.	1502.
896.80	1080.	1049.	1083.	1258.	1513.
898.78	1085.	1052.	1083.	1260.	1521.
900.77	1085.	1057.	1083.	1265.	1531.
906.74	1095.	1067.	1090.	1278.	1557.
912.71	1105.	1077.	1095.	1288.	1581.
918.68	1112.	1089.	1103.	1301.	1602.
924.64	1128.	1099.	1111.	1314.	1617.
930.61	1133.	1110.	1118.	1330.	1638.
936.58	1143.	1120.	1126.	1340.	1651.
942.55	1153.	1127.	1131.	1353.	1670.
948.52	1161.	1137.	1141.	1364.	1683.
954.49	1173.	1143.	1140.	1377.	1696.
960.46	1181.	1150.	1156.	1390.	1709.
966.43	1180.	1160.	1161.	1398.	1720.
972.40	1186.	1163.	1169.	1409.	1726.
978.37	1206.	1168.	1174.	1419.	1731.
984.34	1211.	1173.	1179.	1429.	1734.
990.31	1222.	1181.	1184.	1435.	1734.
996.28	1224.	1183.	1182.	1443.	1734.
1002.25	1229.	1186.	1187.	1445.	1731.
1008.22	1234.	1188.	1200.	1453.	1734.
1014.19	1237.	1191.	1205.	1453.	1728.
1020.16	1237.	1193.	1207.	1458.	1728.
1049.90	1252.	1199.	1217.	1466.	1709.
1079.83	1260.	1206.	1222.	1469.	1693.
1109.68	1270.	1211.	1225.	1471.	1688.
1139.53	1277.	1216.	1230.	1479.	1688.
1169.38	1288.	1227.	1233.	1485.	1698.
1199.21	1300.	1242.	1243.	1498.	1718.
1229.05	1326.	1262.	1258.	1513.	1748.
1258.90	1350.	1288.	1276.	1540.	1786.

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CHECK	<i>Thompson</i> 8/2/1				P2-86665
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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----FAHRENHEIT-----				
1288.75	1376.	1316.	1286.	1566.	1819.
1318.40	1405.	1340.	1310.	1595.	1849.
1348.43	1431.	1366.	1340.	1618.	1876.
1378.27	1440.	1384.	1350.	1637.	1893.
1408.12	1477.	1402.	1380.	1658.	1907.
1437.07	1481.	1418.	1398.	1673.	1918.
1440.05	1488.	1421.	1398.	1673.	1918.
1455.00	1501.	1429.	1408.	1684.	1924.
1470.70	1515.	1444.	1419.	1689.	1929.
1485.72	1522.	1463.	1437.	1699.	1929.
1500.64	1535.	1476.	1455.	1705.	1938.
1515.56	1546.	1484.	1476.	1710.	1941.
1530.49	1556.	1502.	1489.	1719.	1946.
1545.40	1564.	1512.	1505.	1727.	1949.
1560.33	1572.	1523.	1518.	1735.	1957.
1580.17	1582.	1536.	1539.	1743.	1960.
1620.01	1588.	1547.	1552.	1749.	1966.
1649.84	1596.	1549.	1560.	1752.	1963.
1679.71	1596.	1549.	1563.	1749.	1957.
1709.55	1590.	1544.	1560.	1746.	1949.
1739.30	1580.	1533.	1550.	1738.	1926.
1769.23	1572.	1518.	1534.	1724.	1907.
1799.08	1559.	1502.	1521.	1710.	1871.
1828.93	1543.	1481.	1487.	1692.	1827.
1858.77	1520.	1452.	1474.	1668.	1775.
1888.61	1496.	1423.	1442.	1637.	1723.
1918.45	1467.	1392.	1414.	1608.	1664.
1948.30	1439.	1358.	1377.	1571.	1596.
1978.15	1405.	1321.	1338.	1529.	1523.
2007.09	1358.	1272.	1286.	1479.	1442.
2037.83	1300.	1219.	1227.	1414.	1348.
2067.67	1220.	1150.	1150.	1335.	1245.
2097.52	1145.	1077.	1088.	1245.	1133.
2127.37	1065.	1004.	1012.	1146.	1012.
2157.21	986.7	930.2	884.6	1050.	896.7
2187.05	927.9	882.6	884.1	856.3	800.0
2216.89	865.7	834.8	833.2	878.0	723.7
2246.74	820.0	798.6	787.4	814.2	657.6

CALC	08/01/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 03 THE BOEING COMPANY	Vol. III
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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-22, T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 65^{\circ}\text{F}$.

THERMOCOUPLE NO.

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C-3M, C-5M, T-16, T-20, T-24

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T-17, T-18, T-19, T-22, T-23

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CHECK	Stapp	8/7/61				2-21-61
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C

TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
-----DEGREES FAHRENHEIT-----							
99.00-	280.7	322.4	385.9	307.7	329.2	288.9	302.4
70.14-	300.4	343.1	400.1	432.6	361.4	309.8	323.2
40.29-	300.4	350.0	420.7	438.4	361.4	323.7	323.2
10.45-	344.1	373.1	444.0	455.9	394.5	357.0	368.2
19.38	360.3	384.6	461.4	490.7	401.8	391.9	391.4
49.23	397.3	410.2	406.2	525.6	424.0	391.9	391.4
79.08	370.9	395.2	478.8	502.4	413.3	386.1	385.6
108.93	360.3	394.2	484.6	502.4	419.1	391.9	391.4
138.77	397.3	419.2	502.0	543.1	436.4	409.3	403.0
150.70	440.5	471.2	565.9	606.4	482.5	444.2	432.0
156.67	637.3	600.8	600.6	775.8	592.1	484.9	478.3
162.64	704.0	690.2	704.3	882.5	697.8	548.9	542.1
168.60	814.0	799.0	804.8	992.9	802.7	611.7	600.1
174.57	881.2	867.9	1002.	1075.	892.3	696.3	695.1
180.54	961.4	962.6	1093.	1179.	992.0	770.4	759.5
186.51	1040.	1041.	1188.	1272.	1088.	852.3	855.8
192.48	1171.	1171.	1204.	1367.	1191.	897.5	900.8
198.45	1215.	1215.	1303.	1460.	1278.	932.9	976.0
204.42	1325.	1315.	1400.	1559.	1377.	1075.	1073.
210.79	1400.	1417.	1617.	1682.	1495.	1165.	1169.
225.31	1641.	1644.	1876.	1934.	1743.	1447.	1457.
240.24	1870.	1915.	2142.	2187.	2007.	1686.	1696.
255.15	2137.	2156.	2305.	2436.	2266.	1889.	1914.
270.08	2327.	2372.	2606.	2647.	2491.	2062.	2120.
285.00	2370.	2430.	2661.	2694.	2541.	2136.	2210.
299.02	2413.	2469.	2712.	2738.	2595.	2187.	2280.
314.85	2374.	2423.	2665.	2690.	2549.	2144.	2233.
329.76	2330.	2309.	2625.	2647.	2506.	2078.	2148.
344.60	2238.	2201.	2524.	2542.	2413.	2000.	2074.
359.61	2156.	2202.	2423.	2452.	2332.	1922.	1938.
389.46	1946.	2005.	2212.	2234.	2135.	1767.	1813.
419.30	1744.	1819.	2022.	2058.	1969.	1614.	1645.
449.14	1574.	1639.	1879.	1865.	1806.	1478.	1518.
478.98	1480.	1526.	1776.	1767.	1714.	1367.	1413.
508.83	1360.	1426.	1626.	1644.	1605.	1295.	1333.
538.68	1330.	1306.	1571.	1602.	1554.	1244.	1270.
568.52	1203.	1317.	1533.	1559.	1516.	1193.	1228.
598.36	1200.	1328.	1524.	1559.	1512.	1207.	1256.
628.20	1422.	1443.	1647.	1686.	1621.	1286.	1329.
658.05	1603.	1635.	1855.	1877.	1797.	1433.	1470.

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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
687.90	1604.	1748.	1859.	1984.	1910.	1551.	1598.
717.74	1734.	1778.	2006.	2023.	1945.	1572.	1603.
747.58	1755.	1799.	2014.	2047.	1957.	1530.	1535.
777.42	1724.	1778.	1908.	2019.	1942.	1521.	1539.
807.27	1751.	1799.	2014.	2047.	1945.	1513.	1527.
810.24	1751.	1790.	2006.	2039.	1942.	1517.	1531.
816.22	1734.	1794.	1998.	2023.	1930.	1521.	1518.
822.19	1747.	1796.	1994.	2027.	1926.	1513.	1522.
828.14	1755.	1803.	2010.	2047.	1934.	1491.	1494.
833.13	1667.	1772.	1948.	1957.	1878.	1398.	1395.
835.13	1644.	1719.	1936.	1937.	1866.	1363.	1356.
837.12	1641.	1706.	1932.	1926.	1866.	1327.	1324.
839.10	1644.	1706.	1920.	1930.	1858.	1371.	1378.
841.09	1644.	1706.	1914.	1922.	1854.	1367.	1373.
843.09	1644.	1698.	1916.	1922.	1854.	1331.	1338.
845.07	1659.	1315.	1936.	1934.	1870.	1336.	1324.
847.06	1675.	1723.	1952.	1953.	1890.	1367.	1351.
849.06	1699.	1732.	1955.	1961.	1894.	1371.	1364.
851.04	1694.	1736.	1952.	1953.	1890.	1367.	1360.
853.03	1679.	1732.	1952.	1949.	1894.	1363.	1351.
855.03	1604.	1744.	1971.	1965.	1906.	1394.	1332.
857.01	1722.	1749.	2019.	1996.	1934.	1433.	1426.
859.00	1830.	1859.	2103.	2093.	2015.	1482.	1475.
861.00	1907.	1975.	2177.	2175.	2088.	1504.	1497.
862.98	1901.	2001.	2240.	2242.	2154.	1525.	1522.
864.94	2050.	2078.	2329.	2319.	2232.	1580.	1573.
866.94	2099.	2121.	2360.	2358.	2270.	1635.	1632.
868.95	2099.	2132.	2398.	2362.	2293.	1674.	1679.
870.93	2129.	2163.	2419.	2401.	2324.	1699.	1717.
872.93	2145.	2193.	2442.	2413.	2344.	1707.	1729.
874.92	2160.	2206.	2462.	2433.	2359.	1754.	1776.
876.90	2172.	2225.	2477.	2448.	2378.	1767.	1793.
878.90	2197.	2241.	2497.	2468.	2398.	1784.	1813.
880.90	2215.	2272.	2528.	2499.	2429.	1816.	1841.
882.87	2246.	2295.	2559.	2530.	2456.	1833.	1865.
884.87	2265.	2314.	2592.	2553.	2483.	1853.	1873.
886.86	2292.	2341.	2594.	2573.	2502.	1853.	1878.
888.84	2304.	2357.	2610.	2589.	2514.	1865.	1890.
890.83	2309.	2364.	2614.	2585.	2525.	1889.	1922.
892.83	2308.	2368.	2622.	2596.	2529.	1914.	1942.

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TIME SEC.	3-2	7-2	3-7	3-3	7-3	3-4	7-4
	T-10	T-11	C-4M	T-12	T-13	T-14	T-15
-----DEGREES FAHRENHEIT-----							
894.81	2320.	2390.	2677.	2612.	2545.	1897.	1926.
896.80	2317.	2388.	2640.	2628.	2556.	1889.	1934.
898.80	2310.	2305.	2641.	2643.	2564.	1914.	1945.
900.78	2351.	2413.	2649.	2647.	2576.	1922.	1949.
906.75	2302.	2434.	2704.	2683.	2603.	1881.	1926.
912.72	2355.	2417.	2660.	2647.	2583.	1899.	1922.
918.69	2331.	2390.	2677.	2612.	2552.	1885.	1942.
924.66	2311.	2364.	2622.	2600.	2545.	1889.	1934.
930.63	2277.	2370.	2584.	2553.	2502.	1873.	1918.
936.60	2274.	2299.	2550.	2510.	2471.	1873.	1910.
942.57	2242.	2313.	2567.	2514.	2475.	1865.	1906.
948.54	2242.	2313.	2550.	2507.	2467.	1873.	1906.
954.51	2211.	2313.	2559.	2526.	2475.	1837.	1865.
960.48	2212.	2299.	2547.	2522.	2464.	1837.	1865.
966.44	2207.	2260.	2516.	2487.	2433.	1824.	1878.
972.41	2168.	2273.	2485.	2448.	2406.	1788.	1829.
978.38	2177.	2198.	2446.	2413.	2371.	1758.	1809.
984.35	2099.	2171.	2411.	2382.	2340.	1771.	1797.
990.31	2086.	2144.	2388.	2351.	2309.	1741.	1730.
996.28	2082.	2144.	2392.	2355.	2320.	1733.	1759.
1002.25	2082.	2172.	2384.	2343.	2305.	1720.	1725.
1008.22	2080.	2148.	2384.	2362.	2317.	1720.	1738.
1014.18	2050.	2121.	2344.	2335.	2293.	1737.	1746.
1020.15	2050.	2113.	2345.	2323.	2274.	1703.	1729.
1050.00	2044.	2094.	2329.	2316.	2251.	1669.	1696.
1079.85	2074.	2074.	2314.	2296.	2243.	1682.	1691.
1109.70	1907.	2043.	2270.	2273.	2212.	1682.	1691.
1139.53	2020.	2074.	2310.	2292.	2247.	1690.	1691.
1169.37	2006.	2128.	2390.	2358.	2305.	1699.	1717.
1199.22	2177.	2190.	2450.	2425.	2375.	1784.	1817.
1229.07	2100.	2245.	2504.	2405.	2425.	1841.	1878.
1258.02	2246.	2376.	2559.	2538.	2475.	1922.	1961.
1288.75	2262.	2341.	2606.	2581.	2514.	1945.	1996.
1318.50	2300.	2345.	2618.	2581.	2522.	1949.	2008.
1348.44	2280.	2377.	2602.	2573.	2514.	1957.	2012.
1378.29	2292.	2345.	2602.	2577.	2510.	1934.	1996.
1408.14	2280.	2377.	2606.	2569.	2510.	1930.	1996.
1437.97	2280.	2345.	2606.	2573.	2522.	1930.	1992.
1440.06	2300.	2345.	2508.	2569.	2514.	1922.	1996.
1455.88	2417.	2450.	2712.	2714.	2595.	2226.	2307.

CALC		REVISED		DATE		LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 COND. NO. 02 SPEC. 0378 RUN 04	1/1 III 22-81085 3.00 PAGE 3-231
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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
1470.81	2307.	2442.	2700.	2694.	2587.	2206.	2291.
1485.72	2304.	2470.	2708.	2698.	2611.	2195.	2276.
1500.65	2307.	2478.	2700.	2698.	2591.	2179.	2284.
1515.57	2304.	2478.	2708.	2694.	2603.	2187.	2288.
1530.40	2304.	2430.	2708.	2690.	2599.	2202.	2291.
1545.42	2307.	2442.	2700.	2690.	2591.	2195.	2299.
1560.33	2302.	2423.	2696.	2687.	2595.	2202.	2298.
1580.18	2307.	2470.	2696.	2687.	2587.	2195.	2299.
1620.03	2304.	2470.	2690.	2675.	2572.	2175.	2276.
1649.87	2305.	2308.	2657.	2636.	2545.	2163.	2253.
1679.71	2347.	2376.	2677.	2624.	2529.	2140.	2241.
1709.55	2300.	2374.	2500.	2581.	2487.	2105.	2202.
1739.40	2260.	2299.	2547.	2542.	2448.	2050.	2159.
1769.25	2207.	2241.	2495.	2503.	2406.	1953.	2062.
1799.09	2001.	2043.	2209.	2308.	2232.	1861.	1945.
1828.03	1800.	1809.	2150.	2160.	2092.	1733.	1829.
1858.77	1705.	1753.	2002.	2004.	1942.	1631.	1725.
1888.62	1506.	1610.	1843.	1865.	1810.	1504.	1586.
1918.47	1307.	1421.	1647.	1674.	1621.	1349.	1417.
1948.31	1101.	1224.	1441.	1478.	1425.	1156.	1214.
1978.15	991.4	1071.	1220.	1263.	1223.	997.9	1044.
2007.00	750.8	807.1	067.1	1012.	096.0	781.0	840.7
2037.00	513.3	528.9	701.1	754.6	739.0	638.1	700.4
2067.60	344.1	361.5	406.2	554.7	557.5	409.3	443.5
2097.53	274.8	281.0	390.1	444.2	447.9	309.8	356.6
2127.37	210.3	274.1	300.6	362.8	384.5	247.2	281.6
2157.21	191.6	239.6	254.1	309.8	322.7	219.5	253.9
2187.06	167.9	219.0	224.3	261.1	287.8	191.7	226.2

CALC		REVISED		DATE		LEADING EDGE TEST LT-5-417-2-2 FWA NO. 05617 COND. NO. 02 SPEC. 0378 RUN 04	Vol. III 02-81085 4.00
CHECK <i>Steph</i> 8/9/11							
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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
99.00-	384.5	391.5	53.45	374.0	143.9
70.14-	410.1	408.9	72.02	408.7	198.7
40.20-	430.6	420.5	108.3	426.1	233.5
10.45-	447.9	455.3	124.9	455.1	275.3
19.38	453.7	495.9	141.6	499.9	310.1
49.23	482.5	517.3	150.0	518.9	351.6
79.08	488.3	497.1	157.0	507.3	374.0
108.03	494.0	495.9	157.0	513.1	388.2
138.77	511.3	517.3	170.9	536.3	433.1
150.70	592.1	607.3	177.9	542.1	444.8
156.67	657.8	721.8	191.9	582.7	450.6
162.64	757.5	806.0	198.9	626.5	462.3
168.60	882.4	871.2	233.8	684.5	468.1
174.57	972.0	986.4	254.7	732.0	473.0
180.54	1060.	1064.	296.6	805.6	491.4
186.51	1144.	1173.	339.5	880.8	503.0
192.48	1251.	1273.	381.2	960.9	526.4
198.45	1341.	1352.	437.8	1054.	541.3
204.42	1456.	1458.	492.2	1149.	584.6
210.39	1567.	1574.	544.8	1242.	628.4
225.31	1818.	1850.	730.6	1492.	755.7
240.24	2088.	2075.	900.7	1704.	849.2
255.15	2320.	2316.	1074.	1945.	1195.
270.08	2520.	2526.	1221.	2182.	1480.
285.00	2587.	2576.	1295.	2330.	1723.
299.92	2634.	2616.	1341.	2404.	1888.
314.85	2501.	2557.	1354.	2424.	1895.
329.76	2545.	2570.	1376.	2408.	2042.
344.69	2452.	2444.	1318.	2365.	2054.
359.61	2350.	2362.	1281.	2303.	2038.
389.46	2208.	2160.	1107.	2159.	1987.
419.30	2015.	1946.	1108.	2004.	1905.
449.14	1871.	1785.	1021.	1949.	1803.
478.98	1731.	1671.	946.1	1729.	1714.
508.83	1626.	1578.	890.6	1632.	1642.
538.68	1570.	1573.	850.2	1577.	1574.
568.52	1525.	1502.	875.1	1539.	1532.
598.36	1521.	1408.	830.0	1522.	1506.
628.20	1630.	1578.	850.2	1565.	1506.
658.05	1830.	1799.	970.9	1725.	1553.

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CALC			REVISED	DATE	FWA NO. 05617	
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APR					COND. NO. 02	
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TIME SEC.	7-6 C-14	7-7 C-14	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
687.00	1957.	1305.	1006.	1833.	1451.
717.74	1902.	1927.	1035.	1886.	1723.
747.58	1904.	1923.	1050.	1906.	1761.
777.42	1904.	1931.	1055.	1914.	1782.
807.27	2003.	1935.	1055.	1910.	1791.
810.26	2000.	1935.	1060.	1914.	1791.
816.22	1998.	1927.	1060.	1910.	1790.
822.19	1902.	1927.	1060.	1914.	1799.
828.16	2007.	1927.	1060.	1910.	1799.
833.13	2023.	1854.	1055.	1894.	1799.
835.13	2027.	1826.	1045.	1881.	1803.
837.12	2038.	1707.	1040.	1865.	1811.
839.10	2046.	1826.	1040.	1857.	1807.
841.09	2054.	1709.	1035.	1845.	1811.
843.09	2046.	1764.	1031.	1837.	1807.
845.07	2045.	1748.	1026.	1821.	1811.
847.06	2077.	1821.	1021.	1817.	1815.
849.06	2091.	1818.	1021.	1825.	1815.
851.04	2091.	1810.	1026.	1829.	1819.
853.03	2091.	1707.	1026.	1825.	1819.
855.03	2004.	1826.	1031.	1825.	1819.
857.01	2110.	1828.	1031.	1829.	1827.
859.00	2105.	1942.	1026.	1845.	1827.
861.00	2243.	1973.	1035.	1865.	1831.
862.08	2324.	2008.	1050.	1890.	1840.
864.04	2413.	2075.	1074.	1918.	1852.
866.04	2464.	2114.	1080.	1949.	1864.
868.05	2487.	2133.	1118.	1976.	1876.
870.03	2514.	2152.	1127.	2004.	1900.
872.03	2541.	2156.	1141.	2031.	1921.
874.02	2564.	2180.	1165.	2050.	1937.
876.00	2583.	2187.	1170.	2070.	1960.
878.00	2603.	2211.	1188.	2097.	1976.
880.80	2622.	2238.	1207.	2109.	1995.
882.87	2650.	2257.	1212.	2128.	2019.
884.87	2673.	2273.	1221.	2144.	2034.
886.86	2602.	2291.	1235.	2163.	2058.
888.84	2700.	2295.	1240.	2182.	2077.
890.83	2704.	2202.	1258.	2194.	2097.
892.83	2712.	2304.	1267.	2210.	2112.

CALC		REVISED		DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 04 THE BOEING COMPANY	Vol. III 2-83-85 2.01 PAGE 3-234
CHECK	<i>Step</i>	8/2/61				
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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
894.81	2714.	2308.	1291.	2221.	2128.
896.80	2714.	2316.	1291.	2229.	2140.
898.80	2720.	2327.	1296.	2241.	2159.
900.78	2724.	2331.	1290.	2249.	2167.
906.75	2775.	2324.	1318.	2276.	2198.
912.72	2720.	2296.	1317.	2276.	2222.
918.69	2712.	2277.	1313.	2272.	2237.
924.66	2712.	2249.	1304.	2272.	2249.
930.63	2700.	2246.	1304.	2264.	2261.
936.60	2704.	2230.	1299.	2249.	2265.
942.57	2720.	2246.	1296.	2237.	2276.
948.54	2708.	2222.	1296.	2237.	2284.
954.51	2700.	2215.	1291.	2233.	2288.
960.48	2665.	2215.	1296.	2237.	2292.
966.44	2624.	2109.	1291.	2229.	2280.
972.41	2615.	2148.	1272.	2214.	2276.
978.38	2607.	2149.	1263.	2198.	2269.
984.35	2580.	2145.	1240.	2175.	2265.
990.31	2576.	2110.	1240.	2159.	2257.
996.28	2576.	2102.	1230.	2140.	2253.
1002.25	2540.	2090.	1221.	2132.	2245.
1008.22	2533.	2106.	1221.	2132.	2245.
1014.18	2506.	2106.	1212.	2128.	2230.
1020.15	2408.	2075.	1207.	2120.	2226.
1050.00	2421.	2047.	1202.	2093.	2179.
1079.85	2433.	2044.	1193.	2078.	2167.
1109.70	2402.	2036.	1193.	2070.	2163.
1139.53	2448.	2071.	1193.	2085.	2167.
1169.37	2487.	2004.	1202.	2113.	2183.
1199.22	2552.	2144.	1226.	2155.	2226.
1229.07	2630.	2222.	1258.	2214.	2280.
1258.92	2602.	2300.	1290.	2268.	2327.
1288.75	2700.	2343.	1300.	2315.	2362.
1318.50	2727.	2355.	1327.	2338.	2390.
1348.44	2724.	2347.	1322.	2338.	2409.
1378.29	2724.	2327.	1307.	2330.	2425.
1408.14	2727.	2316.	1322.	2322.	2425.
1437.97	2724.	2324.	1327.	2326.	2433.
1440.96	2720.	2320.	1322.	2326.	2437.
1455.88	2646.	2627.	1359.	2462.	2429.

08/01/11		REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2	Vol. III 27-8-1185 3.01
CALC				FWA NO. 05617	
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TIME SEC.	7-6 C-3M	7-7 C-3M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
1470.91	2653.	2616.	1300.	2517.	2433.
1485.72	2665.	2608.	1300.	2521.	2440.
1500.65	2657.	2612.	1309.	2532.	2444.
1515.57	2661.	2612.	1304.	2536.	2448.
1530.49	2657.	2616.	1403.	2536.	2456.
1545.42	2653.	2612.	1309.	2540.	2460.
1560.33	2657.	2604.	1304.	2536.	2460.
1500.18	2657.	2616.	1309.	2536.	2452.
1620.03	2544.	2576.	1300.	2521.	2456.
1649.87	2618.	2553.	1376.	2497.	2444.
1679.71	2500.	2526.	1372.	2474.	2425.
1709.55	2544.	2475.	1354.	2443.	2409.
1739.40	2502.	2409.	1341.	2404.	2374.
1769.25	2404.	2327.	1300.	2334.	2335.
1799.00	2305.	2211.	1240.	2229.	2269.
1828.03	2158.	2071.	1103.	2116.	2194.
1858.77	2000.	1927.	1122.	2000.	2105.
1888.62	1878.	1768.	1045.	1861.	2003.
1918.47	1647.	1505.	051.1	1712.	1909.
1948.31	1460.	1361.	060.3	1527.	1803.
1978.15	1246.	1168.	757.2	1351.	1685.
2007.00	992.0	941.3	661.4	1168.	1566.
2037.84	766.0	690.1	550.7	940.9	1440.
2067.69	597.8	470.5	430.7	732.0	1315.
2097.53	465.2	362.5	360.6	594.3	1204.
2127.37	320.2	281.7	310.5	489.9	1091.
2157.21	274.0	240.1	254.7	414.5	079.4
2187.06	230.6	212.4	198.9	368.2	078.8

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APR										
APR								THE BOEING COMPANY		
CONTRACT NO.										

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
99.99-	103.2	92.56	113.5	142.2	196.7
70.14-	116.2	107.4	129.1	148.1	233.0
40.20-	134.4	109.2	144.8	156.6	261.5
10.45-	150.0	119.7	157.8	225.2	290.5
19.38	165.5	120.1	173.3	248.5	314.8
49.23	184.2	139.6	191.5	274.4	339.0
79.08	204.9	150.0	200.6	298.4	363.3
108.93	227.6	163.0	230.3	325.4	384.7
138.77	250.9	170.5	240.5	349.6	408.7
150.70	258.6	183.7	256.2	360.4	416.7
156.67	263.8	189.9	258.8	365.8	424.7
162.64	260.0	191.5	264.0	371.2	427.3
168.60	274.1	194.7	260.2	373.9	435.3
174.57	274.7	190.3	271.8	381.8	443.3
180.54	282.0	201.9	277.0	387.2	451.3
186.51	287.4	204.5	270.5	392.5	464.6
192.48	292.7	200.7	281.9	397.8	477.8
198.45	295.4	214.9	280.3	403.1	483.5
204.42	300.8	217.5	285.7	413.8	514.5
210.39	304.2	225.2	301.1	421.8	535.4
225.71	322.3	239.2	317.3	448.4	604.9
240.24	343.9	250.0	330.8	492.7	696.6
255.15	370.8	290.5	360.4	529.8	816.4
270.08	405.3	341.8	387.7	584.1	948.3
285.00	450.4	411.4	445.6	655.4	1092.
299.92	505.6	498.9	506.2	736.9	1219.
314.85	570.6	592.3	573.8	826.0	1334.
329.76	636.7	678.9	650.2	907.4	1421.
344.69	705.3	752.9	726.6	985.7	1476.
359.61	764.2	809.9	792.7	1043.	1510.
389.46	855.2	870.1	882.0	1124.	1526.
419.30	903.4	890.5	942.4	1162.	1505.
449.14	918.5	888.0	960.0	1170.	1458.
478.98	918.5	875.2	955.0	1160.	1392.
508.83	905.9	854.8	942.4	1137.	1332.
538.68	895.8	837.0	922.3	1114.	1288.
568.52	887.1	821.7	907.2	1093.	1252.
598.36	875.5	811.5	892.0	1078.	1227.
628.20	870.4	806.4	884.4	1068.	1216.
658.05	875.5	811.5	881.8	1068.	1232.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
687.00	890.7	834.4	804.6	1083.	1275.
717.74	913.4	865.0	810.8	1111.	1324.
747.58	941.1	890.1	840.9	1144.	1366.
777.42	960.7	923.4	877.6	1172.	1392.
807.27	991.3	951.1	1008.	1195.	1413.
810.26	993.8	951.1	1008.	1198.	1416.
816.22	990.8	950.6	1015.	1200.	1418.
822.19	1004.	961.1	1018.	1203.	1421.
828.16	1006.	966.2	1023.	1208.	1423.
833.13	1000.	960.7	1025.	1210.	1426.
835.13	1011.	960.7	1030.	1210.	1426.
837.12	1011.	971.2	1030.	1213.	1429.
839.10	1014.	971.2	1030.	1213.	1431.
841.09	1014.	973.7	1030.	1215.	1431.
843.00	1014.	973.7	1033.	1218.	1434.
845.07	1014.	973.7	1035.	1215.	1434.
847.06	1016.	976.2	1035.	1218.	1434.
849.06	1010.	976.2	1035.	1218.	1434.
851.04	1021.	970.7	1035.	1221.	1437.
853.03	1001.	976.2	1038.	1221.	1439.
855.03	1021.	970.7	1040.	1223.	1439.
857.01	1024.	981.3	1040.	1226.	1442.
859.00	1026.	981.3	1043.	1226.	1442.
861.00	1026.	983.8	1043.	1228.	1444.
862.00	1020.	983.8	1043.	1228.	1447.
864.06	1031.	986.3	1043.	1228.	1450.
866.06	1031.	986.3	1043.	1231.	1452.
868.05	1031.	980.8	1045.	1233.	1455.
870.03	1034.	991.3	1048.	1233.	1460.
872.03	1034.	991.3	1048.	1236.	1463.
874.02	1030.	993.9	1048.	1236.	1468.
876.00	1030.	993.9	1048.	1238.	1476.
878.00	1030.	996.4	1040.	1241.	1481.
880.00	1041.	990.9	1051.	1243.	1486.
882.07	1044.	1001.	1053.	1243.	1492.
884.07	1046.	1004.	1053.	1246.	1499.
886.06	1040.	1006.	1053.	1248.	1507.
888.04	1051.	1009.	1056.	1251.	1515.
890.03	1054.	1014.	1056.	1254.	1523.
892.03	1054.	1014.	1058.	1256.	1531.

08/01/1				REVISD	DATE	LEADING EDGE TEST LT-5-617-2-2 EWA NO. 05617 COND. NO. 02 SPEC. 0378 RUN 04 THE BOEING COMPANY	Vol. III 02-8005 2.02 PAGE 3-238
CALC							
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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	DEGREES FAHRENHEIT				
894.81	1057.	1017.	1058.	1261.	1539.
896.80	1050.	1022.	1061.	1266.	1547.
898.80	1042.	1027.	1063.	1266.	1552.
900.79	1047.	1029.	1063.	1269.	1562.
906.75	1074.	1079.	1068.	1284.	1586.
912.72	1094.	1049.	1075.	1292.	1609.
918.69	1064.	1059.	1081.	1305.	1630.
924.66	1102.	1069.	1088.	1318.	1649.
930.63	1112.	1082.	1093.	1328.	1664.
936.60	1110.	1090.	1103.	1344.	1678.
942.57	1132.	1097.	1111.	1352.	1688.
948.54	1140.	1105.	1116.	1365.	1701.
954.51	1147.	1115.	1124.	1375.	1712.
960.48	1158.	1120.	1131.	1386.	1723.
966.44	1165.	1125.	1136.	1396.	1731.
972.41	1177.	1135.	1144.	1404.	1734.
978.38	1190.	1138.	1140.	1412.	1742.
984.35	1185.	1143.	1157.	1417.	1742.
990.31	1187.	1148.	1162.	1425.	1745.
996.28	1186.	1151.	1167.	1430.	1745.
1002.25	1201.	1156.	1169.	1434.	1745.
1008.22	1208.	1158.	1175.	1438.	1748.
1014.19	1209.	1161.	1182.	1443.	1745.
1020.15	1216.	1163.	1182.	1446.	1742.
1050.00	1226.	1168.	1192.	1456.	1731.
1079.85	1234.	1173.	1195.	1459.	1720.
1109.70	1244.	1178.	1200.	1462.	1718.
1139.53	1254.	1181.	1205.	1467.	1718.
1169.37	1260.	1201.	1215.	1477.	1726.
1199.22	1284.	1219.	1228.	1490.	1740.
1229.07	1341.	1240.	1241.	1509.	1767.
1258.02	1371.	1265.	1256.	1532.	1800.
1288.75	1360.	1283.	1270.	1561.	1833.
1318.59	1387.	1314.	1289.	1585.	1868.
1348.44	1412.	1343.	1325.	1611.	1893.
1378.29	1437.	1364.	1343.	1629.	1910.
1408.14	1454.	1377.	1359.	1653.	1924.
1437.97	1472.	1385.	1375.	1668.	1933.
1440.06	1477.	1388.	1375.	1666.	1933.
1455.88	1485.	1408.	1388.	1676.	1941.

08/01/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2	Vol. III 02-96-85 3.02
CALC			FWA NO. 05617	
CHECK	slapp	8/2/1	COND. NO. 02	
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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
1470.81	1408.	1424.	1398.	1484.	1947.
1485.72	1506.	1442.	1422.	1692.	1952.
1500.65	1510.	1455.	1428.	1700.	1961.
1515.57	1532.	1474.	1450.	1708.	1966.
1530.40	1542.	1484.	1474.	1719.	1975.
1545.42	1553.	1485.	1480.	1724.	1981.
1560.33	1558.	1505.	1506.	1733.	1986.
1590.18	1576.	1521.	1527.	1746.	1995.
1620.03	1587.	1526.	1542.	1755.	1995.
1649.87	1587.	1529.	1550.	1757.	1992.
1679.71	1580.	1526.	1550.	1755.	1989.
1709.55	1584.	1529.	1545.	1746.	1981.
1739.40	1571.	1516.	1532.	1738.	1964.
1769.25	1567.	1505.	1521.	1727.	1941.
1799.00	1548.	1487.	1506.	1713.	1904.
1828.03	1520.	1466.	1487.	1692.	1860.
1858.77	1511.	1437.	1450.	1668.	1808.
1888.62	1485.	1405.	1432.	1640.	1748.
1918.47	1462.	1379.	1401.	1608.	1688.
1948.31	1437.	1345.	1364.	1574.	1620.
2078.15	1398.	1303.	1320.	1532.	1544.
2007.00	1380.	1282.	1266.	1480.	1463.
2037.84	1285.	1186.	1208.	1422.	1374.
2067.69	1226.	1123.	1179.	1346.	1275.
2097.53	1150.	1059.	1063.	1261.	1173.
2127.37	1062.	986.3	990.2	1172.	1062.
2157.21	981.2	915.8	917.3	1068.	940.8
2187.06	905.9	849.7	853.8	967.7	829.1

CALC		REVISED		DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 COND. NO. 02	SPEC. 0378 RUN 04	Vol. III 02-81.35 4.02
CHECK <i>Step</i>		3/9/1					
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TEMPERATURE DATA

TOLERANCE FOR THERMOCOUPLES T-17, T-18, T-19, T-22, T-23 = $\pm 45^{\circ}\text{F}$.

TOLERANCE FOR ALL OTHER THERMOCOUPLES = $\pm 165^{\circ}\text{F}$.

THERMOCOUPLE NO.

PAGE

T-10, T-11, C-4M, T-12, T-13, T-14, *T-15

3-242-- 3-243

C-3M, C-5M, *T-16, T-20, T-21

3-244-- 3-245

T-17, T-18, T-19, T-22, T-23

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*Thermocouple T-15 is bad.

*Thermocouple T-16 is bad.

CALC	Reynolds	8/2/61	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 EWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 05 BOEING AIRPLANE COMPANY	Cal. III
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TIME SEC.	3-2 T-10	7-2 T-11	3-7 C-4M	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
.02	81.77	100.4	109.4	108.5	108.7	108.4	BDTL
5.09	141.7	141.7	141.7	150.0	133.5	177.8	BDTL
11.96	337.3	343.4	344.6	391.9	301.8	254.3	258.1
17.02	397.5	384.9	421.1	479.1	402.1	254.3	431.4
23.99	513.6	489.0	547.3	617.0	529.1	323.8	611.3
29.86	542.6	535.2	604.6	654.0	575.3	380.4	755.4
35.83	627.0	598.8	691.3	744.0	661.6	444.4	992.2
41.79	714.9	683.1	770.8	847.3	766.8	578.2	1286.
47.76	811.4	772.6	852.7	957.8	858.3	627.8	1594.
53.73	871.6	838.9	939.1	1037.	938.1	723.1	1823.
59.70	941.9	913.8	1008.	1118.	1008.	786.7	2085.
65.66	987.0	968.7	1080.	1189.	1084.	832.6	2297.
71.63	1040.	1042.	1156.	1272.	1155.	938.1	2570.
77.60	1127.	1104.	1226.	1336.	1224.	998.4	2814.
83.57	1160.	1170.	1300.	1407.	1284.	1080.	3028.
89.54	1234.	1230.	1391.	1478.	1352.	1152.	BDTL
95.51	1288.	1280.	1430.	1534.	1404.	1208.	BDTL
101.48	1348.	1343.	1500.	1606.	1484.	1304.	BDTL
107.45	1392.	1392.	1556.	1657.	1526.	1363.	BDTL
113.42	1450.	1454.	1610.	1720.	1589.	1408.	BDTL
119.39	1464.	1502.	1674.	1775.	1652.	1452.	BDTL
134.31	1613.	1628.	1829.	1930.	1799.	1607.	BDTL
149.24	1761.	1763.	1966.	2070.	1936.	1742.	BDTL
164.15	1904.	1901.	2106.	2218.	2083.	1894.	BDTL
179.08	2025.	2030.	2246.	2358.	2207.	2024.	BDTL
194.00	2154.	2166.	2379.	2475.	2338.	2149.	BDTL
208.92	2220.	2247.	2445.	2569.	2427.	2254.	BDTL
223.85	2284.	2305.	2543.	2632.	2505.	2321.	BDTL
238.76	2356.	2379.	2617.	2702.	2578.	2406.	BDTL
253.69	2434.	2464.	2692.	2785.	2653.	2457.	BDTL
268.61	2488.	2515.	2762.	2851.	2715.	2523.	BDTL
270.59	2512.	2538.	2770.	2867.	2723.	2539.	BDTL
276.56	2531.	2565.	2794.	2887.	2750.	2578.	BDTL
282.53	2550.	2596.	2821.	2906.	2773.	2594.	BDTL
288.50	2570.	2608.	2837.	2922.	2785.	2613.	BDTL
294.47	2586.	2619.	2860.	2941.	2804.	2656.	BDTL
300.44	2605.	2643.	2856.	2949.	2804.	2645.	BDTL
306.41	2582.	2627.	2841.	2941.	2797.	2637.	BDTL
312.38	2574.	2604.	2821.	2930.	2781.	2605.	BDTL
318.35	2543.	2573.	2786.	2898.	2746.	2582.	BDTL

CALC	CP/01/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 05 THE BOEING COMPANY	Vol. III
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TIME SEC.	3-2 T-10	7-2 T-11	3-7 T-12	3-3 T-12	7-3 T-13	3-4 T-14	7-4 T-15
	-----DEGREES FAHRENHEIT-----						
324.32	2504.	2542.	2754.	2863.	2719.	2555.	BDTL
330.29	2485.	2515.	2731.	2832.	2695.	2539.	BDTL
336.26	2461.	2483.	2703.	2800.	2660.	2484.	BDTL
342.23	2403.	2433.	2652.	2761.	2610.	2469.	BDTL
348.20	2407.	2406.	2652.	2753.	2598.	2445.	BDTL
354.17	2356.	2375.	2587.	2706.	2559.	2414.	BDTL
360.14	2337.	2359.	2574.	2687.	2532.	2387.	BDTL
375.05	2267.	2255.	2486.	2604.	2455.	2305.	BDTL
389.97	2180.	2158.	2414.	2522.	2377.	2215.	BDTL
404.90	2091.	2042.	2328.	2436.	2300.	2153.	BDTL
419.81	1928.	1807.	2176.	2261.	2137.	2001.	BDTL
434.75	1807.	1747.	2040.	2125.	2013.	1882.	BDTL
449.66	1642.	1620.	1884.	1969.	1868.	1768.	BDTL
464.58	1507.	1493.	1774.	1808.	1716.	1594.	BDTL
479.51	1348.	1352.	1585.	1640.	1568.	1456.	BDTL
494.42	1206.	1216.	1430.	1482.	1418.	1309.	BDTL
509.36	1064.	1080.	1272.	1327.	1275.	1189.	BDTL
524.27	891.7	918.8	1090.	1142.	1084.	1032.	BDTL
539.19	690.5	741.0	892.9	912.6	878.2	877.8	2738.
554.12	554.2	593.0	728.4	744.0	730.0	707.2	2221.
569.03	432.3	460.1	5811.0	601.1	603.8	554.9	1709.
583.97	360.4	384.9	488.1	502.4	517.6	461.8	1374.
598.88	300.6	336.5	400.5	432.6	459.8	397.9	1105.
601.87	295.7	315.8	403.7	421.0	448.3	392.0	1086.

CALC	08/01/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 05	Vol. III
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C

TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
.02	100.4	108.6	BDTL	116.9	157.0
5.99	114.9	267.8	BDTL	133.5	150.0
11.96	385.0	427.3	BDTL	156.9	143.9
17.92	390.8	397.1	BDTL	191.5	157.0
23.89	500.7	507.3	BDTL	233.0	150.0
29.86	593.2	621.1	BDTL	309.1	157.0
35.83	646.5	689.7	BDTL	385.2	163.9
41.79	704.4	774.2	BDTL	477.8	163.9
47.76	783.4	830.6	53.66	570.4	177.8
53.73	860.2	940.8	81.47	652.1	184.8
59.70	924.2	1020.	141.7	757.5	191.8
65.66	994.1	1082.	170.9	844.6	205.7
71.63	1066.	1172.	226.6	924.6	219.6
77.60	1128.	1273.	296.3	1009.	247.5
83.57	1189.	1319.	345.1	1081.	292.7
89.54	1267.	1395.	410.0	1152.	317.1
95.51	1317.	1448.	469.3	1203.	343.3
101.48	1398.	1526.	532.4	1259.	398.3
107.45	1441.	1590.	596.6	1318.	450.7
113.42	1503.	1649.	655.3	1380.	509.0
119.39	1540.	1708.	703.0	1442.	573.1
134.31	1606.	1873.	828.9	1643.	756.0
149.24	1834.	2007.	929.6	1810.	969.7
164.15	1957.	2159.	1029.	1951.	1181.
179.08	2085.	2303.	1116.	2094.	1387.
194.00	2217.	2454.	1205.	2242.	1583.
208.92	2295.	2567.	1275.	2370.	1753.
223.85	2364.	2641.	1325.	2455.	1893.
238.76	2446.	2720.	1357.	2525.	2011.
253.69	2527.	2792.	1392.	2591.	2113.
268.61	2580.	2856.	1432.	2665.	2207.
270.59	2597.	2872.	1445.	2685.	2219.
276.56	2632.	2907.	1450.	2712.	2258.
282.53	2656.	2927.	1477.	2743.	2285.
288.50	2683.	2946.	1485.	2759.	2328.
294.47	2706.	2978.	1499.	2790.	2355.
300.44	2722.	2982.	1516.	2814.	2387.
306.41	2691.	2966.	1503.	2802.	2418.
312.38	2671.	2950.	1400.	2798.	2422.
318.35	2636.	2911.	1409.	2778.	2434.

CALC	0870171	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2. FWA NO. 05617 COND. NO. 02	SPEC. 0378 RUN 05	Vol. III D2-86088 1.01
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TIME SEC.	7-6 C-3M	7-7 C-5M	3-5 T-16	7-5 T-20	3-6 T-24
	-----DEGREES FAHRENHEIT-----				
324.32	2507.	2802.	1405.	2755.	2430.
330.20	2570.	2872.	1401.	2735.	2426.
336.26	2551.	2829.	1443.	2716.	2418.
342.23	2500.	2782.	1450.	2681.	2410.
348.20	2402.	2770.	1445.	2665.	2387.
354.17	2457.	2739.	1472.	2634.	2359.
360.14	2430.	2700.	1419.	2614.	2344.
375.05	2353.	2630.	1380.	2568.	2316.
389.97	2270.	2528.	1352.	2494.	2293.
404.90	2182.	2450.	1320.	2436.	2254.
419.81	2050.	2287.	1256.	2311.	2195.
434.75	1930.	2159.	1191.	2191.	2121.
449.66	1801.	2011.	1126.	2063.	2054.
464.58	1650.	1849.	1063.	1939.	1984.
479.51	1515.	1670.	090.0	1794.	1901.
494.42	1371.	1497.	010.5	1655.	1824.
509.36	1207.	1364.	000.0	1525.	1732.
524.27	1077.	1177.	777.0	1389.	1630.
539.10	904.2	930.8	692.4	1222.	1524.
554.12	720.2	758.4	627.4	1081.	1427.
569.07	575.9	582.6	540.1	924.6	1334.
583.07	483.4	478.3	480.0	799.6	1247.
598.98	410.7	391.3	427.5	694.2	1172.
601.87	408.2	385.5	415.8	678.4	1153.

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TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	-----DEGREES FAHRENHEIT-----				
.02	270.2	301.3	244.6	222.6	150.0
5.99	270.2	301.3	244.0	222.6	150.0
11.06	270.2	301.3	244.0	220.0	150.0
17.92	274.6	301.3	244.0	217.4	150.0
23.89	274.6	298.6	241.4	220.0	155.2
29.86	270.2	298.6	241.4	217.4	157.8
35.83	274.6	298.6	241.4	220.0	165.5
41.79	276.6	298.6	241.4	222.6	175.9
47.74	276.6	298.6	241.4	220.0	186.2
53.73	274.6	298.6	244.0	225.2	199.2
59.70	270.2	301.3	244.6	232.0	217.3
65.66	284.5	304.0	244.6	240.7	238.0
71.63	284.5	306.7	274.4	251.1	261.3
77.60	292.6	312.1	277.0	241.4	284.8
83.57	298.0	317.5	285.0	274.4	314.5
89.54	304.0	322.9	287.0	283.0	344.1
95.51	310.5	337.7	307.8	311.0	376.3
101.48	332.9	344.5	317.3	333.5	410.9
107.45	340.1	355.3	320.1	357.7	448.1
113.42	370.6	371.5	344.3	381.0	485.1
119.39	391.8	390.1	367.1	411.1	524.3
134.31	455.1	446.1	416.4	480.4	629.6
149.24	541.8	510.8	485.4	581.6	744.0
164.15	634.2	605.0	564.3	686.0	866.1
179.08	737.8	707.0	658.0	785.5	987.2
194.00	846.9	821.7	762.4	814.9	1113.
208.92	957.9	941.0	874.9	1033.	1232.
223.85	1058.	1049.	987.9	1144.	1345.
238.76	1152.	1151.	1096.	1241.	1453.
253.69	1233.	1232.	1190.	1333.	1549.
268.61	1312.	1311.	1274.	1420.	1633.
270.59	1322.	1322.	1284.	1433.	1646.
276.56	1351.	1350.	1318.	1464.	1675.
282.53	1370.	1377.	1346.	1496.	1709.
288.50	1411.	1406.	1378.	1522.	1737.
294.47	1434.	1429.	1407.	1553.	1767.
300.44	1464.	1458.	1435.	1579.	1800.
306.41	1480.	1489.	1469.	1608.	1824.
312.38	1515.	1513.	1501.	1634.	1852.
318.35	1530.	1534.	1527.	1655.	1879.

CALC	08/01/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 05 THE BOEING COMPANY	Vol. III
CHECK	8/1/1				02-81085
APR					1.02
APR					PAGE
CONTRACT NO.					3-246

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2-5000

TIME SEC.	4-5 T-17	8-5 T-18	4-6 T-19	4-7 T-22	8-7 T-23
	----- DEGREES FAHRENHEIT -----				
324.32	1557.	1558.	1553.	1479.	1895.
330.29	1575.	1571.	1572.	1497.	1912.
336.24	1593.	1596.	1590.	1711.	1929.
342.23	1604.	1597.	1606.	1727.	1935.
348.20	1604.	1612.	1616.	1733.	1946.
354.17	1599.	1602.	1624.	1733.	1946.
360.14	1604.	1615.	1634.	1735.	1940.
375.05	1625.	1620.	1655.	1752.	1932.
389.07	1635.	1618.	1655.	1763.	1926.
404.00	1646.	1626.	1663.	1771.	1915.
419.81	1635.	1613.	1653.	1766.	1895.
434.75	1625.	1592.	1634.	1752.	1860.
449.66	1604.	1563.	1609.	1735.	1821.
464.58	1575.	1529.	1577.	1711.	1780.
479.51	1540.	1492.	1540.	1681.	1737.
494.42	1515.	1455.	1501.	1647.	1688.
509.36	1463.	1426.	1456.	1606.	1633.
524.27	1395.	1343.	1401.	1549.	1565.
539.19	1330.	1290.	1341.	1480.	1491.
554.12	1266.	1217.	1294.	1409.	1398.
569.03	1207.	1161.	1226.	1344.	1311.
583.97	1152.	1110.	1172.	1276.	1230.
598.88	1101.	1059.	1121.	1215.	1151.
601.87	1091.	1049.	1111.	1205.	1136.

CALC	8/01/1	REVISED	DATE	LEADING EDGE TEST LT-5-617-2-2 FWA NO. 05617 SPEC. 0378 COND. NO. 02 RUN 05	Vol. III
CHECK	Step 1	8/2/1			D2-80085
APR					2.02
APR					PAGE
THE BOEING COMPANY					3-247
CONTRACT NO.					

U6 5553 7450 (WAS BAC 1745 A-R1)

9/3/63

2-5000

1

LOAD IN LBS.	*	DEFLECTION									
		X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	Y-2
100	V					-.306	.015	.009		.012	.018
	L					.019	.003	.009		.012	-.013
200	V		.019	.001	.045	-.271	.033	.019		.019	.037
	L		.199	.024	0	.010	.004	.001		.010	.001
300	V		.034	.037	.043	-.255	.046	.033		.028	.054
	L		.196	-.013	0	.025	.030	.009		.019	-.012
400	V		.055	.045	.055	-.231	.051	.031		.028	.057
	L		.193	-.024	-.001	.034	.028	.004		.025	-.003
500	V		.076	.081	.094	-.183	.069	.052		.036	.099
	L		.198	-.054	.007	.022	.030	.007		.027	.003
600	V		.106	.088	.105	-.166	.073	.063		.028	.107
	L		.190	-.019	.016	.028	.045	.007		.019	.007
700	V		.103	.121	.138	-.115	.099	.073		.040	.144
	L		.192	-.045	.012	.031	.058	.019		.040	.003
800	V		.127	.126	.145	-.100	.105	.075		.039	.162
	L		.208	.042	.022	.021	.061	.010		.034	.015
900	V		.142	.162	.166	.061	.111	.088		.054	.180
	L		.205	-.033	.034	.027	.061	.004		.040	.030
1000	V		.130	.187	.180	-.030	.121	.096		.048	.195
	L		.205	-.022	.048	.027	.073	.006		.034	.037
1200	V		.148	.196	.226	.028	.157	.012		.061	.234
	L		.211	-.063	.061	.034	.091	.007		.049	.045
1400	V		.177	.202	.288	.012	.205	.015		.072	.275
	L		.207	-.094	.087	.034	.124	.010		.060	.051
1600	V		.177	.180	.337	.183	.229	.178		.081	.294
	L		.202	-.108	.115	.046	.133	.007		.067	.061
1800	V		.226		.417	.292	.291	.223		.117	.349
	L		.222		.141	.027	.138	-.001		.063	.091
2000	V		.259			.423	.354	.292		.159	.427
	L		.217			.024	.160	.003		.079	.117
2200	V		.306			.615	.435			.211	.507
	L		.213			.046	.207			.099	.135
2400	V		.280			.726	.447			.198	.522
	L		.228			.031	.216			.090	.172
0	V		.180			.276	.237			.096	.274

Calc.	E. H. H. H. H.	REVISED	DATE	LOAD VS. DEFLECTION DATA SPECIMEN #25-20367 DS-I LEADING EDGE LOAD TESTS THE BOEING COMPANY SEATTLE 14, WASHINGTON	DS-I	*
Trac.					EWA	
Chk.					5593	
Appr.						
Appr.						

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LOCATIONS										
Y-11	Y-14	Z-1	Z-3	Z-5	Z-9	Z-10	Z-13	Z-17	Z-19	Z-21
-.298	.025	.009	.012	.010	.009	-.283	.013		.022	.009
.057	0	-.007	.018	.010	-.010	-.016	.012		.016	.007
-.267	.042	.022	.019	.001	.027	-.270	.034		.036	.027
.057	.007	-.004	.010	0	-.012	-.009	.012		.022	.012
-.249	.057	.028		.054	.042	-.250	.052		.043	.039
.069	.027	-.001		-.022	-.015	-.028	.030		.033	.024
-.226	.067	.030		.063	.057	-.226	.063		.048	.040
.067	.033	-.015		-.024	-.015	-.037	.031		.034	.031
-.183	.084	.055		.102	.090	-.186	.081		.066	.052
.063	.030	0		-.027	-.010	-.036	.034		.045	.028
-.150	.099	.055		.114	.102	-.160	.096		.066	.057
.066	.045	-.004		-.039	-.004	-.028	.043		.051	.034
-.123	.115	.063		.145	.133	-.129	.117		.082	.063
.076	.058	-.003		-.045	-.010	-.037	.055		.054	.040
-.097	.115	.072		.157	.151	-.100	.123		.087	.060
.064	.051	.009		-.051	.001	-.030	.043		.052	.042
-.066	.138	.079		.177	.169	-.073	.145		.097	.076
.066	.057	.066		-.051	.001	-.015	.054		.046	.046
-.031	.151	.076		.187	.186	-.034	.157		.100	.091
.060	.060	.066		-.039	.018	-.019	-.064		.046	.043
.027	.183	.091		.210	.226	.016	.199		.129	.096
.070	.078	.010		-.066	.019	-.024	.072		.061	.055
.118	.225	.100		.249	.271	.100	.250		.148	.111
.075	.105	.004		-.103	.024	-.046	.096		.073	.067
.175	.247	.093		.256	.291	.153	.267		.156	.106
.081	.120	.012		-.099	.031	-.039	.100		.079	.073
.277	.307	.121			.357	.255	.316		.184	.136
.069	.124	.025			.057	-.013	.100		.066	.075
.406	.360	.138			.427	.381	.384		.220	.159
.067	.123	.039			.087	-.030	.117		.079	.082
.597	.456	.162			.521	.564	.465		.261	.193
.076	.157	.048			.090	-.031	.165		.108	.109
.696	.472	.135			.550	.756	.437		.253	.177
.061	.150	.039			.115	-.010	.157		.097	.100
.262	.217	.058			.287	.222	.211		.112	.066

V=VERTICAL DEFLECTION
L=LATERAL DEFLECTION

DATA SHEET

NOTE: This data gives the deflection in inches of the points indicated. Positive vertical deflections are downward; negative, upward. Positive lateral deflections are away from the C.L.; negative, toward it. Missing values are caused by the clips going out of sight, or being dislodged by interference with the structure at high deformations.

1

LOAD IN LBS.	*	DEFLECTION L									
		X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	Y-5
100	V	.004	.011	.028	.026	.054	.048	.018	.037	.020	.026
	L	.001	.002	.015	.002	.013	.003	.014	.003	.006	.005
200	V	.010	.014	.039	.048	.085	.053	.028	.032	0	.039
	L	.003	.010	.020	.005	.010	.013	.020	.007	.010	.015
300	V	.001	.018	.052	.063	.115	.111	.049	.031	-.001	.057
	L	.022	.023	.023	.018	.010	.101	.015	.023	.027	.011
400	V	.011	.037	.070	—	.158	.122	.070	.045	.006	.088
	L	.036	.032	.035	—	.019	.102	.027	.027	.037	.023
500	V	.002	.039	.083	.107	.175	.148	.068	.058	.016	.093
	L	.031	.035	.029	.009	.013	—	.035	.025	.036	.016
600	V	.016	.037	.092	.131	.206	.167	.087	.061	.013	.121
	L	.045	.057	.048	.031	.016	.111	.033	.041	.035	.036
700	V	.018	.046	.107	.137	.236	.184	.106	.083	.024	.134
	L	—	—	.042	.029	.006	.126	.048	.054	.053	.033
800	V	.019	.061	.133	.161	.289	.208	.119	.094	.027	.182
	L	.055	.075	.075	.048	.009	.124	.049	.063	.052	.042
900	V	0	.067	.153	.178	.335	.240	.136	.097	.019	.215
	L	.059	.075	.067	.059	.006	.149	—	.085	.072	.040
1000	V	-.003	.066	.165	.183	.386	.275	.174	.118	.019	.246
	L	.079	.091	.087	.058	-.001	—	—	—	—	.051
1200	V	-.006	.084	.213	.276	.512	.356	.230	.143	.018	.315
	L	.118	.119	.117	.087	0	—	.102	-.002	.122	.059
1400	V	.003	.107	.265		.612	.440	.286	.176	.028	.400
	L	.119	.141	.144		-.006	—	.131	.031	.159	.077
1600	V	.011	.128	.313		.739	.531	.358	.209	.054	
	L	.137	.150	.145		-.032	—	.159	—	.180	
1800	V	.013	.144			.813	.564	.384	.228	.061	
	L	.152	.174			-.022	—		.196	.195	
2000	V	.005	.141			.885	.582	.392	.226	.049	
	L	.192	.185			-.024	—		.201	.196	
0	V	-.045	.044			.464	.295	.176	.091	.001	

Calc.	E. Henry		REVISED	DATE	LOAD VS. DEFLECTION DATA SPECIMEN #25-20372 DS-I LEADING EDGE LOAD TESTS	DS-I	* V
Trac.						EWA	L
Chk.						5593	
Appr.							
Appr.							
					THE BOEING COMPANY SEATTLE 14, WASHINGTON	Vol. III	02-30085 3-249

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2

NOTE: This data gives the deflection in inches of the points indicated. Positive vertical deflections are downward; negative, upward. Positive lateral deflections are away from the C.L.; negative, toward it. Missing values are caused by clips going out of sight, or being dislodged by interference with the structure at high deformations.

DATA SHEET

1

LOAD IN LBS.	*	DEFLECTION L									
		X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	Y-8
100	V					.019					
	L					-.007					
200	V					.032					
	L					.007					
300	V					.052					
	L					.014					
400	V					-					
	L					-					
500	V					.091					
	L					.003					
600	V					.097					
	L					.001					
700	V					.101					
	L					.016					
800	V					.127					
	L					.019					
900	V					.148					
	L					.001					
1000	V					.174					
	L					.027					
1200	V					.224					
	L					.001					
1400	V					.330					
	L					.019					
1600	V					.391					
	L					.019					
1800	V					.462					
	L					.006					
2000	V					.527					
	L					.009					

Calc.	<i>E. Henry</i>	REVISED	DATE	LOAD VS. DEFLECTION DATA SPECIMEN #25-20376 DS-I LEADING EDGE LOAD TESTS	DS-I	*V
Trac.					EWA	L
Chk.					5593	**
Appr.					02-80085	
Appr.				THE BOEING COMPANY SEATTLE 14, WASHINGTON	Vol. III 3-250	

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U3 4011 3000

2

= VERTICAL DEFLECTION
= LATERAL DEFLECTION
ONLY 9 LOCATIONS WERE
REQ'D ON THIS TEST. TWO
WERE LOST AT BEGINNING
OF TEST, LEAVING THE
SEVEN SHOWN.

NOTE: This data gives the deflection in inches of the points indicated. Positive vertical deflections are downward; negative, upward. Positive lateral deflections are away from the C.L.; negative, toward it. Missing values are caused by the clips going out of sight, or by being dislodged by interference with the structure at high deformations.

1

LOAD IN LBS.	*	DEFLECTION									
		X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	Y-8
100	V	.029	.020	.032	.036	.037	.014	.019	.016		.044
	L	.022	.022	.015	.009	-.018	-.013	-.028	-.023		.007
200	V	.029	.035	.050	.061	.063	.040	.039	.015		.056
	L	.006	.016	.015	.014	-.023	-.006	-.036	-.010		.005
300	V	.041	.053	.065	.080	.101	.059	.046	.023		.086
	L	.022	.026	.024	.023	-.015	.009	-.032	-.041		.009
400	V	.059	.067	.089	.114	.157	.088	.085	.035		.116
	L	.042	.036	.035	.040	-.018	.018	-.007	-.005		.019
500	V	.055	.081	.114	.139	.209		.115	.054		.155
	L	.052	.033	.042	.040	-.020		0	-.023		.020
600	V	.054	.091	.144	.154	.256		.127	.067		.180
	L	.053	.074	.063	.067	-.026		.009	-.042		.044
700	V	.045	.083	.161	.169	.299		.128	.067		.201
	L	.084	.076	.075	.081	-.024		.010	-.024		.060
800	V	.042	.098	.174	.195	.349		.174	.072		.219
	L	.091	.089	.081	.093	-.022		.014	0		.070
900	V	.052	.101	.200	.224	.419		.205	.085		.273
	L	.111	.111	.097	.107	-.014		.053	.001		.072
1000	V	.102	.105	.224	.243	.471		-	.079		.291
	L	.162	.123	.094	.118	-.005		-	.007		.072
1200	V	.032	.140	.317	.325	.635		.230	.137		.591
	L	.143	.170	.136	.183	-.020		.083	.015		.117
1400	V	.044	.150	.354	.365	.764		.393	.166		.469
	L	.185	.175	.150	.226	-.019		.070	.005		.147
1600	V	.055	.183	.403	.405	.877		.423	.183		.523
	L	.174	.197	.167	.239	-.005		.084	.014		.165
1800	V	.065	.188	.410	.419	.949		.436	.187		.530
	L		.196	.166	.245	0		.091	.016		.176
2000	V	.059	.195	.448	.456	1.115		-	.198		.621
	L		.185	.170	.253	.024		-	.037		.075
2200	V					1.181		.513	.206		
	L					.019		.112	.022		
0	V					.756					
	L										

Colo.	REVISOR	REVISED	DATE	LOAD VS. DEFLECTION DATA SPECIMEN #25-20378 DS-I LEADING EDGE LOAD TESTS	DS-I
Trac.					EWA
Chk.					5593
Appr.					D2-50025
Appr.					3-251

THE BOEING COMPANY
SEATTLE 14, WASHINGTON

Vol. III

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V = VERTICAL DEFLECTION
L = LATERAL DEFLECTION

NOTE: This data gives the deflection in inches of the points indicated. Positive vertical deflections are downward; negative upward. Positive lateral deflections are away from the C.L.; negative toward it. Missing values are caused by clips going out of sight, or being dislodged by interference with the structure at high deformations.

The tabulated result sheets obtained from the 1103A computer have the following from left to right:

1. EWA - EWA Number
2. TEST - Test Number
3. LOAD - Load - Pounds NOTE: All loads include 40 pounds dead weight applied by loading head
4. GAGE - Rosette Number
5. SA }
6. SB } - Test readings of respective gage elements A, B, and C in
7. SC } 1 Speedomax Division = 94.9 in./in. Speedomax Divisions
8. T Max - Maximum Shear Stress - Thousands of psi
9. F Max - Maximum Principal Stress - Thousands of psi
10. F Min - Minimum Principal Stress - Thousands of psi
11. THETA - Angle between F Max and Gage B - degrees
12. FA - Stress Component in Gage A direction - Thousands of psi
13. FC - Stress Component in Gage C direction - Thousands of psi
14. TC - Shear Stress Component in Gage C direction - Thousands of psi

NOTE: Rosette gages A, B, and C must read clockwise on layout.

See Drawing No. 25-20376 for gage locations on Panel No. 25-20376
 See Drawing No. 25-20367 for gage locations on Panel No. 25-20367
 See Drawing No. 25-20378 for gage locations on Panel No. 25-20378
 See Drawing No. 25-20372 for gage locations on Panel No. 25-20372

2 Strain Gage Data beyond proportional limit. No stress data available

CALC	E. GIBSON	2/26/62	REVISED	DATE	ROSETTE NOMENCLATURE DS LEADING EDGE PANELS NO. 25-20376, 25-20367, 25-20378, 25-23072	DS
CHECK	CRAM	3-6-62				EWA 5617
APPD	Choban	3/7/62			BOEING AIRPLANE COMPANY D2-80085	PAGE 3-252
APPD	VRR	3/9/62				30

1

ENA	TEST	LCAD	GAGE	SA	SB	SC	T MAX	F MAX	F
5617	2	40	1	.0	.0	.0	.0	.0	
5617	2	100	1	.1-	.0	.0	.2	.0	
5617	2	200	1	.0	.6-	.0	1.6	1.6	
5617	2	300	1	.0	1.0-	.1	2.9	3.1	
5617	2	400	1	.0	1.0-	.2	3.0	3.5	
5617	2	500	1	.0	1.2-	.2	3.6	4.1	
5617	2	600	1	.0	1.5-	.2	4.4	4.9	
5617	2	700	1	.0	1.6-	.2	4.7	5.2	
5617	2	800	1	.0	1.9-	.2	5.5	6.0	
5617	2	900	1	.0	2.0-	.1	5.6	5.9	
5617	2	1000	1	.0	2.3-	.0	6.3	6.3	
5617	2	1200	1	.1	2.5-	.1-	6.8	6.8	
5617	2	1400	1	.4	2.7-	.5-	7.4	7.1	
5617	2	1500	1	.4	2.7-	.7-	7.1	6.4	
5617	2	2000	1	.1-	2.0-	2.0-	3.7	1.7-	
5617	2	40	2	.0	.0	.0	.0	.0	
5617	2	100	2	.1-	.0	.1-	.3	.2-	
5617	2	200	2	.3-	.2-	.1-	.3	.7-	
5617	2	300	2	.5-	.5-	.1-	.8	.8-	
5617	2	400	2	.9-	.6-	.1-	1.1	1.4-	
5617	2	500	2	1.1-	.8-	.1-	1.5	1.6-	
5617	2	600	2	1.5-	1.1-	.2-	1.9	2.4-	
5617	2	700	2	1.9-	1.4-	.2-	2.5	2.8-	
5617	2	800	2	2.0-	1.6-	.3-	2.6	3.2-	
5617	2	900	2	2.3-	1.9-	.3-	3.2	3.4-	
5617	2	1000	2	2.5-	2.1-	.4-	3.4	4.0-	
5617	2	1200	2	3.7-	3.0-	.3-	5.4	4.8-	
5617	2	1400	2	5.0-	4.0-	.2-	7.6	5.6-	
5617	2	1500	2	5.5-	4.3-	.1-	8.5	5.8-	
5617	2	2000	2	7.4-	5.3-	.3-	10.5	9.1-	
5617	2	40	3	.0	.0	.0	.0	.0	
5617	2	100	3	.0	.1	.0	.3	.3	
5617	2	200	3	1.1-	.0	.1	2.1	.4-	
5617	2	300	3	2.1-	.2-	.0	3.7	1.6-	
5617	2	400	3	3.5-	.6-	.0	5.7	3.2-	
5617	2	500	3	5.0-	1.3-	.1-	7.5	5.4-	
5617	2	600	3	6.6-	1.9-	.3-	9.6	7.9-	
5617	2	700	3	8.3-	2.5-	.4-	11.9	10.2-	
5617	2	800	3	10.0-	3.0-	.5-	14.4	12.3-	
5617	2	900	3	12.0-	3.7-	.5-	17.2	14.5-	
5617	2	1000	3	13.8-	4.3-	.5-	19.8	16.5-	
5617	2	1200	3	17.6-	5.6-	.5-	25.3	20.8-	
5617	2	1400	3	22.3-	8.0-	.1-	31.6	25.3-	
5617	2	1500	3	24.3-	9.0-	.1-	34.3	27.8-	
5617	2	2000	3	53.0-	21.9-	.1	73.8	60.7-	

NOTE: GAGES ZEROED WITH 40 LB
DEAD WEIGHT APPLIED BY
LOADING HEAD

FOR INFORMATION ON COLUMN HEADINGS
SEE PAGE 3-252

E-11450-1 2/26/62
 CONTINUED -
 CRAW 3-5-62
 CLO 3/6/62
 VPR 3/9/62

9/3/63

	T. MAX	F. MAX	F. MIN	THETA		FA	FC	IC
0	.0	.0	.0	.0	0	.0	.0	.0
0	.2	.0	.4-	22.5	0	.4-	.1-	.1
0	1.6	1.6	1.6-	90.0	0	.0	.0	1.0-
1	2.9	3.1	2.6-	88.6	0	.1	.4	2.4-
2	3.0	3.5	2.5-	87.4	0	.2	.8	3.0-
2	3.6	4.1	3.0-	87.8	0	.2	.8	3.5-
2	4.4	4.9	3.9-	88.2	0	.2	.8	4.4-
2	4.7	5.2	4.1-	88.3	0	.2	.8	4.6-
2	5.5	6.0	5.0-	88.6	0	.2	.8	5.5-
1	5.6	5.9	5.4-	89.3	0	.1	.4	5.6-
0	6.3	6.3	6.3-	90.0	0	.0	.0	6.3-
1-	6.8	6.8	6.8-	88.6-	0	.3	.3-	6.8-
3-	7.4	7.1	7.6-	85.2-	0	1.0	1.5-	7.5-
7-	7.1	6.4	7.9-	83.9-	0	.7	2.3-	7.0-
0-	3.7	1.7-	9.0-	67.5-	0	2.7-	7.9-	2.6-

0	.0	.0	.0	.0	0	.0	.0	.0
1-	.3	.2-	.8-	.0	0	.5-	.5-	.5
1-	.3	.7-	1.3-	45.0	0	1.3-	.7-	.0
1-	.8	.8-	2.3-	67.5	0	2.1-	1.0-	.5-
1-	1.1	1.4-	3.7-	52.0	0	3.6-	1.4-	.5-
1-	1.5	1.6-	4.5-	55.9	0	4.4-	1.7-	.5-
2-	1.9	2.4-	6.2-	55.5	0	6.1-	2.5-	.7-
2-	2.5	2.8-	7.8-	56.2	0	7.7-	3.0-	1.0-
3-	2.6	3.2-	8.5-	58.9	0	8.2-	3.5-	1.2-
3-	3.2	3.4-	9.8-	60.5	0	9.3-	3.9-	1.6-
4-	3.4	4.0-	10.8-	60.9	0	10.2-	4.5-	1.8-
3-	5.4	4.8-	15.6-	60.2	0	14.8-	5.5-	2.7-
2-	7.6	5.6-	20.8-	60.1	0	19.8-	6.6-	3.8-
1-	9.5	5.8-	22.7-	59.5	0	21.6-	6.8-	4.1-
3-	10.5	9.1-	30.1-	56.1	0	29.3-	9.8-	4.6-

0	.0	.0	.0	.0	0	.0	.0	.0
0	.3	.3	.3-	.0	0	.0	.0	.5
1	2.1	.4-	4.7-	25.1	0	4.2-	.9-	1.4
0	3.7	1.6-	9.0-	25.5	0	8.2-	2.5-	2.5
0	5.7	3.2-	14.6-	28.3	0	13.7-	4.1-	3.1
1-	7.5	5.4-	20.5-	31.5	0	19.7-	6.3-	3.4
3-	9.6	7.9-	27.2-	31.9	0	26.2-	8.9-	4.2
4-	11.9	10.2-	34.1-	32.4	0	32.9-	11.3-	5.1
5-	14.4	12.3-	41.1-	32.3	0	39.7-	13.7-	6.2
5-	17.2	14.5-	49.0-	33.0	0	47.5-	16.0-	7.0
5-	19.8	16.5-	56.2-	33.4	0	54.6-	18.1-	7.8
5-	25.3	20.8-	71.3-	34.0	0	69.4-	22.6-	9.4
1-	31.6	25.3-	88.6-	37.0	0	87.3-	26.5-	11.8
1-	34.3	27.8-	96.3-	37.6	0	95.2-	28.9-	11.8
1	33.8	26.7-	205.7-	40.1	0	207.7-	61.8-	12.5

SEE 2
PG 3-252

B-57D 2/25/62 CONTINUED CRW 3-3-61 CLO 3/6/72 VAP 3/9/72	MAXIMUM SHEAR STRESS PRINCIPAL STRESSES DS LEADING EDGE PANELS PANEL NO. 25-20367 BOEING AIRPLANE COMPANY SEATTLE, WASHINGTON	DS EWA 02-80085 5617 Vol. III 3-253
----------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------

1

EWA	TEST	LCAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	2	40	4	.0	.0	.0	.0	.0	.0
5617	2	100	4	.0	.1-	.1-	.2	.0	.4-
5617	2	200	4	.5	.1-	.2-	1.2	1.9	.4-
5617	2	300	4	1.1	.0	.5-	2.3	3.9	.8-
5617	2	400	4	2.3	.2	.7-	4.4	6.5	.3-
5617	2	500	4	3.6	.6	1.1-	6.7	13.0	.3-
5617	2	600	4	4.9	1.0	1.5-	9.0	17.6	.3-
5617	2	700	4	6.3	1.4	2.0-	11.5	22.5	.6-
5617	2	800	4	7.7	1.9	2.4-	14.0	27.5	.8-
5617	2	900	4	9.4	2.5	2.9-	17.0	33.5	.4-
5617	2	1000	4	10.8	3.0	3.3-	19.4	38.5	.3-
5617	2	1200	4	13.4	3.9	4.1-	24.0	47.7	.4-
5617	2	1400	4	14.7	5.1	4.9-	26.8	51.8	1.9-
5617	2	1500	4	17.0	5.8	5.0-	30.1	60.6	.4
5617	2	2000	4	33.5	15.0	7.0-	55.7	123.	11.7

5617	2	40	5	.0	.0	.0	.0	.0	.0
5617	2	100	5	.0	.0	.0	.0	.0	.0
5617	2	200	5	.0	.0	.1-	.2	.0	.4-
5617	2	300	5	1.0	.1	.5-	2.1	3.4	.8-
5617	2	400	5	2.2	.6	.7-	4.0	7.8	.2-
5617	2	500	5	3.7	1.2	1.0-	6.4	13.3	.4
5617	2	600	5	5.4	1.7	1.4-	9.3	19.5	.8
5617	2	700	5	7.1	2.4	1.8-	12.2	25.7	1.3
5617	2	800	5	9.0	3.0	2.5-	15.8	32.3	.8
5617	2	900	5	11.0	3.7	2.9-	19.0	39.6	1.5
5617	2	1000	5	13.2	4.6	3.5-	22.9	47.5	1.8
5617	2	1200	5	20.3	7.3	5.0-	34.7	71.6	4.2
5617	2	1400	5	31.0	11.5	7.5-	52.7	112.	7.0
5617	2	1500	5	35.5	13.3	8.6-	65.4	129.	8.0
5617	2	2000	5	80.0	31.5	19.0-	136.	291.	19.5

5617	2	40	6	.0	.0	.0	.0	.0	.0
5617	2	100	6	.0	.0	.0	.0	.0	.0
5617	2	200	6	.0	.0	.0	.0	.0	.0
5617	2	300	6	.1	.1	.0	.2	.4	.0
5617	2	400	6	1.0	.6	.0	1.4	3.9	1.1
5617	2	500	6	1.9	1.0	.1-	2.8	7.3	1.8
5617	2	600	6	2.6	1.4	.3-	4.0	9.9	1.8
5617	2	700	6	3.6	1.8	.3-	5.3	13.7	3.0
5617	2	800	6	4.5	2.5	.0	6.2	17.6	5.2
5617	2	900	6	5.7	3.1	.0	7.8	22.3	6.7
5617	2	1000	6	6.9	3.7	.0	9.5	27.0	8.1
5617	2	1200	6	11.0	5.5	.4-	15.6	42.6	11.3
5617	2	1400	6	18.0	8.7	.8-	25.7	69.5	18.0
5617	2	1500	6	21.0	10.0	1.1-	30.3	80.9	20.3
5617	2	2000	6	44.8	19.0	6.3-	76.0	168.	27.9

FOR INFORMATION ON COLUMN HEADINGS
SEE PAGE 3-252

US 5501 5000

256

9/3/63,

CONTINUED - 2/26/62	
CHECK	CRAM 3-5-62
APPR	CL 3/6/62
APPR	VPR 3/9/62

US 5501 1000 (WSS RAD 551-M)

T MAX	F MAX	F MIN	THETA		FA	FC	IC
.0	.0	.0	.0	0	.0	.0	.0
.2	.0	.4-	67.5-	00	.1-	.4-	.1-
1.2	1.9	.4-	62.8-	00	1.7	.2-	.7-
2.3	3.9	.8-	55.3-	00	3.7	.7-	.8-
4.4	6.5	.3-	55.9-	00	8.2	.0	1.0-
6.7	13.0	.3-	52.7-	00	12.8	.1-	1.8-
9.0	17.6	.3-	51.2-	00	17.4	.1-	1.9-
11.5	22.5	.6-	50.1-	00	22.3	.4-	2.0-
14.0	27.5	.8-	49.2-	00	27.3	.3-	2.0-
17.0	33.5	.4-	48.5-	00	33.4	.3-	2.0-
19.4	38.5	.3-	48.0-	00	38.4	.2-	2.0-
24.0	47.7	.4-	47.4-	00	47.6	.3-	2.0-
26.8	51.8	1.9-	44.4-	00	51.8	1.9-	.5-
30.1	60.6	.4	45.5-	0	60.6	.4	.5-
55.7	123.	11.7	42.5-	0	123.	11.9	.5-

SEE 2
PG 3-252

.0	.0	.0	.0	0	.0	.0	.0
.0	.0	.0	.0	00	.0	.0	.0
.2	.0	.8-	22.5-	00	.1-	.4-	.1-
2.1	3.4	.8-	50.6-	00	3.3	.8-	.4-
4.0	7.8	.2-	48.0-	00	7.8	.2-	.4-
6.4	13.3	.4	46.8-	00	13.3	.4	.4-
9.3	19.5	.8	47.5-	00	19.5	.9	.8-
12.2	25.7	1.3	46.6-	00	25.7	1.3	.7-
15.8	32.3	.8	46.2-	00	32.3	.6	.7-
19.0	39.6	1.8	46.4-	00	39.6	1.5	1.0-
22.9	47.5	1.8	45.8-	0	47.5	1.8	.7-
34.7	73.6	4.2	45.8-	0	73.5	4.3	1.0-
52.7	112.	7.0	45.0-	0	112.	7.0	.7-
67.4	149.	8.0	45.3-	0	129.	8.0	.4-
136.	491.	19.5	44.4-	0	291.	19.5	.7-

SEE 2
PG 3-252

.0	.0	.0	.0	0	.0	.0	.0
.0	.0	.0	.0	00	.0	.0	.0
.0	.0	.0	.0	00	.0	.0	.0
.2	.4	.0	22.5-	00	.4	.1	.1
1.4	3.9	1.1	39.3-	00	3.9	1.2	.3
2.8	7.3	1.8	42.1-	00	7.3	1.8	.3
4.0	9.9	1.8	40.1-	00	9.8	1.9	.7
5.3	13.7	3.0	42.8-	00	13.7	3.0	.4
6.2	17.6	5.2	41.8-	00	17.6	5.3	.7
7.8	22.3	6.7	42.5-	00	22.3	6.7	.7
9.5	27.0	8.1	42.9-	00	27.0	8.1	.7
15.6	42.6	11.3	44.0-	00	42.6	11.3	.3
25.7	64.5	18.0	44.7-	00	64.5	18.0	.3
30.3	80.9	20.3	44.5-	0	80.9	20.3	.1
70.0	168.	27.9	45.3-	0	168.	27.9	.7-

SEE 2
PG 3-252

FIGURES		REVISION		DATE		MAXIMUM SHEAR STRESS & PRINCIPAL STRESSES		DS
CONTINUED - 2/26/62						DS LEADING EDGE PANELS		EWA
CHECK	CRAM 3-562					PANEL NO. 25-20367		5-617
APPR	Cholera 3/6/62					BOEING AIRPLANE COMPANY		3-254
APPR	VPR 3/9/62					22-80085		
						Vol: III		


1

ENA	TEST	LCAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	2	40	7	.0	.0	.0	.0	.0	.0
5617	2	100	7	1.1-	.6-	.0	1.5	1.3-	4.3-
5617	2	200	7	3.0-	1.3-	.1-	4.0	3.8-	11.9-
5617	2	300	7	5.3-	2.4-	.3-	6.9	7.3-	21.2-
5617	2	400	7	8.2-	4.0-	.6-	10.5	11.9-	32.8-
5617	2	500	7	11.4-	5.7-	.8-	14.5	16.5-	45.6-
5617	2	600	7	14.7-	7.8-	1.1-	18.6	21.5-	58.8-
5617	2	700	7	17.1-	9.5-	1.5-	21.4	25.9-	66.7-
5617	2	800	7	19.2-	10.8-	1.6-	24.1	28.8-	77.0-
5617	2	900	7	21.6-	12.2-	1.8-	27.1	32.3-	86.6-
5617	2	1000	7	23.0-	13.2-	2.0-	29.8	34.7-	92.4-
5617	2	1200	7	27.5-	16.1-	1.9-	34.3	39.5-	110-
5617	2	1400	7	31.7-	18.1-	1.3-	41.8	44.0-	124-
5617	2	1500	7	31.8-	18.7-	1.0-	43.6	40.8-	126-
5617	2	2000	7	32.0-	19.3-	.1	44.9	38.2-	126-

5617	2	40	8	.0	.0	.0	.0	.0	.0
5617	2	100	8	1.0	.5	.0	1.4	3.9	1.2
5617	2	200	8	2.6	1.1	.0	3.6	10.2	3.0
5617	2	300	8	5.1	2.4	.3	6.6	20.3	7.1
5617	2	400	8	8.0	4.0	.7	10.0	32.2	12.1
5617	2	500	8	11.2	6.1	1.3	13.6	45.3	18.2
5617	2	600	8	15.0	8.2	1.9	17.9	60.9	25.0
5617	2	700	8	17.8	10.0	2.5	21.0	72.6	30.7
5617	2	800	8	20.5	11.7	3.1	23.8	83.8	36.2
5617	2	900	8	23.4	13.6	3.6	27.1	95.8	41.5
5617	2	1000	8	25.5	15.0	4.3	29.0	105-	46.7
5617	2	1200	8	32.3	19.2	5.2	37.1	132-	56.2
5617	2	1400	8	37.5	22.4	5.6	43.7	153-	65.5
5617	2	1500	8	39.5	23.5	5.7	44.3	161-	66.6
5617	2	2000	8	42.0	24.0	4.6	51.3	176-	67.2

5617	2	40	9	.0	.0	.0	.0	.0	.0
5617	2	100	9	.5	.2	.0	.7	2.0	.6
5617	2	200	9	1.0	.3	.0	1.5	4.0	1.1
5617	2	300	9	.4	.3	.0	.6	1.6	.4
5617	2	400	9	.7-	1.2-	.1-	2.3	.3	4.4-
5617	2	500	9	2.6-	2.5-	.1-	4.6	2.2-	11.5-
5617	2	600	9	5.0-	3.9-	.0	7.8	4.9-	20.5-
5617	2	700	9	7.2-	5.0-	.0	10.6	7.7-	28.9-
5617	2	800	9	9.5-	6.0-	.4	14.1	9.0-	37.3-
5617	2	900	9	12.0	7.1-	.6	39.9	71.9	7.8-
5617	2	1000	9	15.0-	8.4-	1.0	22.2	13.3-	57.8-
5617	2	1200	9	22.6-	12.5-	2.0	34.2	18.2-	86.6-
5617	2	1400	9	32.0-	17.4-	27.0-	33.8	116-	184-
5617	2	1500	9	36.1-	19.9-	28.8	99.4	60.8	118-
		2000	9	97.0-	48.0-	OPEN			

5617	2	40	10	.0	.0	.0	.0	.0	.0
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257  READING IS ERRATIC DATA AFTER THIS
 POINT IS NOT VALID.
 FOR INFORMATION ON COLUMN HEADINGS
 SEE PAGE 3-252

9/3/63

CONTINUED	
NAME	E.G. BROWN 2/26/62
CHRG	GRAM 3-5-62
DATE	Closter 3/6/62
APPR	VR 3/19/62

T MAX	F PAX	F MIN	THETA	FA	FC	PAGE 3 IC
.0	.0	.0	.0	.0	.0	.0
1.5	1.3-	4.3-	47.6	4.3-	1.3-	.1-
4.0	3.8-	11.9-	40.1	11.8-	3.9-	.7
6.9	7.3-	21.2-	40.5	21.1-	7.4-	1.1
10.5	11.9-	32.8-	42.0	32.8-	12.0-	1.1
14.5	16.5-	45.6-	42.8	45.5-	16.5-	1.1
18.6	21.5-	58.8-	44.6	58.8-	21.5-	.3
21.4	25.9-	68.7-	45.7	68.7-	25.9-	.3-
24.1	26.8-	77.0-	46.3	77.0-	26.8-	1.1-
27.1	32.3-	86.6-	46.4	86.6-	32.4-	1.4-
28.8	34.7-	92.4-	46.9	92.3-	34.8-	1.4-
31.3	38.5-	110-	48.1	110-	39.7-	3.8-
41.8	44.0-	126-	48.0	126-	42.3-	4.4-
43.6	40.8-	126-	49.2	126-	41.2-	6.3-
44.9	36.2-	126-	50.9	126-	37.2-	4.4-

SEE 2
PG 3-252

.0	.0	.0	.0	.0	.0	.0
1.4	3.9	1.2	45.0-	3.9	1.2	.0
3.6	10.2	3.0	49.4-	10.2	3.0	.3-
6.6	20.3	7.1	48.6-	20.3	7.2	.8-
10.0	32.2	12.1	47.7-	32.1	12.1	1.0-
13.6	45.3	18.2	45.9-	45.3	18.2	.4-
17.9	60.9	25.0	46.1-	60.9	25.0	.7-
21.0	72.6	30.7	45.5-	72.6	30.7	.4-
23.8	83.8	36.2	45.3-	83.8	36.2	.3-
27.1	95.8	41.5	44.7-	95.8	41.5	.3
28.0	105-	46.7	44.7-	105-	46.7	.3
37.1	132-	58.2	44.0-	132-	58.2	1.4
43.7	153-	65.8	43.5-	153-	65.9	2.3
46.3	161-	68.6	43.5-	161-	68.6	2.3
51.3	170-	67.2	43.9-	170-	67.3	1.9

SEE 2
PG 3-252

.0	.0	.0	.0	.0	.0	.0
.7	4.0	.6	50.6-	2.0	.6	.1-
1.5	4.0	1.1	55.9-	3.9	1.2	.3-
.6	1.6	.4	31.7-	1.6	.5	.3
2.3	.3	4.4-	79.7	2.8-	1.2-	4.4-
4.6	2.2-	11.5-	66.3	10.3-	3.4-	3.1-
7.8	4.9-	20.5-	59.6	19.5-	5.9-	3.8-
10.6	7.7-	28.9-	55.6	28.2-	8.4-	3.8-
14.1	9.0-	37.3-	53.2	36.7-	9.6-	4.6-
39.9	11.9	7.8-	78.5-	47.6	16.4	36.7-
22.2	13.3-	37.8-	50.0	57.5-	13.7-	3.0-
34.2	14.2-	46.6-	50.1	66.1-	18.7-	6.0-
37.8	114-	184-	5.8	157-	141-	31.1
99.4	60.8	118-	56.3	107-	70.3	44.2-

SEE 2
PG 3-252

- CONTINUED -		MAXIMUM SHEAR STRESS & PRINCIPLE STRESSES DS LEADING EDGE PANELS PANEL NO. 25-20367 BOEING AIRPLANE COMPANY		DS EWA 5-617 PAGE 3-255
CALL	E. GIBSON 2/26/62	REVIEWED	DATE	
CHG	CRAM 3-5-62			
APPR	Cholera 3/6/62			
APPR	VR 3/9/62			

1

ERA	TEST	LCAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	2	100	1C	.5-	.4-	.1-	.6	.9-	2.1-
5617	2	200	1C	1.1-	.7-	.3-	1.1	4.5-	4.6-
5617	2	300	1C	.3-	.0	.3-	.8	.7-	2.3-
5617	2	400	1C	.6	.5	.5-	1.9	2.2	1.7-
5617	2	500	1C	2.5	1.9	.5-	4.8	4.9	.3
5617	2	600	1C	4.3	3.0	.8-	7.9	17.3	1.5
5617	2	700	1C	6.5	3.9	1.0-	10.7	24.7	3.2
5617	2	800	1C	8.3	4.7	1.2-	13.4	31.4	4.7
5617	2	900	1C	10.4	5.7	1.6-	16.8	39.2	5.6
5617	2	1000	1C	13.1	7.0	2.0-	21.0	49.3	7.2
5617	2	1200	1C	19.8	10.3	2.8-	31.3	74.6	11.9
5617	2	1400	1C	28.5	14.8	3.1-	43.6	108.	20.9
5617	2	1500	1C	32.5	17.0	3.1-	46.1	124.	25.6
5617	2	2000	1C	44.0	44.0	3.5-	120.	325.	84.4

5617	2	40	11	.0	.0	.0	.0	.0	.0
5617	2	100	11	.0	.2-	.0	.5	.5	.5-
5617	2	200	11	.3-	.4-	.0	.8	.0	1.5-
5617	2	300	11	.1-	.2-	.0	.4	.2	.7-
5617	2	400	11	.1	.0	.5	1.0	2.5	.5
5617	2	500	11	.8	.7	1.0	.6	5.2	4.0
5617	2	600	11	1.9	1.4	1.5	1.0	9.6	7.7
5617	2	700	11	3.0	2.2	2.0	1.6	14.3	11.1
5617	2	800	11	4.3	3.2	2.6	2.4	20.0	15.1
5617	2	900	11	5.5	4.0	3.0	3.5	25.1	18.1
5617	2	1000	11	7.0	5.0	3.6	4.7	31.7	22.2
5617	2	1200	11	10.0	7.2	5.0	6.9	45.0	31.2
5617	2	1400	11	13.5	9.8	6.7	9.3	60.7	42.0
5617	2	2000	11	37.3	24.5	13.6	12.5	162.	96.9

5617	2	40	12	.0	.0	.0	.0	.0	.0
5617	2	100	12	.0	.0	.0	.0	.0	.0
5617	2	200	12	.1-	.0	.0	.2	.0	.4-
5617	2	300	12	.2-	.0	.1-	.4	.3-	1.2-
5617	2	400	12	.1-	.4-	.9-	1.1	1.4-	3.7-
5617	2	500	12	.0	.6-	1.5-	2.1	1.7-	5.9-
5617	2	600	12	.2	1.0-	2.5-	3.7	2.1-	9.6-
5617	2	700	12	.6	1.3-	3.5-	5.6	1.7-	13.0-
5617	2	800	12	1.0	1.5-	4.5-	7.6	1.3-	16.5-
5617	2	900	12	1.4	1.9-	5.4-	9.3	.8-	19.5-
5617	2	1000	12	1.9	2.1-	6.4-	11.4	.1-	22.8-
5617	2	1200	12	3.0	2.8-	8.9-	16.3	1.3	31.3-
5617	2	1400	12	4.5	3.5-	11.5-	21.9	4.1	39.7-
5617	2	1500	12	5.1	3.9-	13.0-	24.8	4.7	44.9-
5617	2	2000	12	13.4	6.5-	25.4-	53.1	22.6	83.7-

▷ STRAIN GAGE ACTS AS IF YIELD POINT HAS BEEN REACHED

FOR INFORMATION ON COLUMN HEADINGS
SEE PAGE 3-252

U6 5501 5000

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9/3/63

NAME	E. GIBSON	2/26/62
CHECK	CRAM	3-5-62
APPR	Chloe	3/6/62
APPR	VRK	3/5/62

LS-4021-1000 (REV 5-4-62)

SC	T MAX	F PAX	F MIN	THETA	FA	FC	IC
.1-	.6	.9-	2.1-	58.3	2.1-	1.0-	.3-
.3-	1.1	4.5-	4.6-	45.0	4.6-	2.5-	.0
.3-	.8	.7-	2.3-	.0	1.5-	1.5-	.8
.5-	1.9	4.2	1.7-	25.3-	1.8	1.3-	1.2
.5-	4.8	4.9	.3	29.5-	9.2	1.0	2.5
.8-	7.9	17.3	1.5	33.3-	16.7	2.1	3.1
1.0-	10.7	24.7	3.2	36.5-	24.3	3.7	3.1
1.2-	13.4	31.4	4.7	38.2-	31.1	5.0	3.1
1.6-	16.8	39.2	5.6	38.9-	38.8	5.9	3.5
2.0-	21.0	49.3	7.2	39.6-	48.9	7.5	4.0
2.8-	31.3	74.6	11.9	40.5-	74.2	12.3	4.4
3.1-	42.4	108.	20.9	41.2-	108.	21.3	5.0
3.1-	40.1	124.	25.6	41.3-	124.	26.0	6.3
3.5-	120.	325.	44.4	42.5-	325.	44.9	10.3

SEE 2
PG 3-252

.0	.0	.0	.0	.0	0	.0	.0	.0
.0	.5	.5	.5-	90.0	0	.0	.0	.5-
.0	.8	.0	1.5-	74.5	0	1.2-	.3-	.7-
.0	.4	.2	.7-	80.8	0	.4-	.1-	.4-
.5	1.0	4.5	.5	73.2	0	1.0	2.1	.8-
1.0	.6	5.2	4.0	76.7	0	4.3	4.8	.5-
1.5	1.0	4.6	7.7	73.2-	0	9.2	8.1	.8-
2.0	1.6	14.3	11.1	60.5-	0	14.1	11.3	.8-
2.6	2.4	20.0	15.1	53.2-	0	19.9	15.2	.7-
3.0	3.5	25.1	18.1	50.6-	0	25.0	18.2	.7-
3.6	4.7	31.7	22.2	50.0-	0	31.6	22.3	.8-
5.0	6.9	45.0	31.2	48.4-	0	45.0	31.3	.8-
6.7	9.3	60.7	42.0	47.5-	0	60.7	42.0	.8-
13.6	32.5	102.	46.9	47.3	0	162.	97.0	4.0

SEE 2
PG 3-252

.0	.0	.0	.0	.0	0	.0	.0	.0
.0	.0	.0	.0	.0	0	.0	.0	.0
.0	.2	.0	.4-	22.5	0	.4-	.1-	.1
.1-	.4	.3-	1.2-	9.2	0	.9-	.6-	.4
.9-	1.1	1.4-	3.7-	38.0-	0	1.4-	3.6-	.3
1.5-	2.1	1.7-	5.9-	39.3-	0	1.8-	5.9-	.4
2.5-	3.7	2.1-	9.6-	41.8-	0	2.1-	9.5-	.4
3.5-	5.6	1.7-	13.0-	42.9-	0	1.8-	13.0-	.4
4.5-	7.6	1.3-	16.5-	42.4-	0	1.4-	16.4-	.7
5.4-	9.3	.8-	19.5-	44.2-	0	.9-	19.5-	.3
6.4-	11.4	.1-	22.8-	44.0-	0	.1-	22.8-	.4
8.9-	16.3	1.3	31.3-	44.3-	0	1.3	31.3-	.4
11.5-	21.9	4.1	39.7-	45.0-	0	4.1	39.7-	.0
13.0-	24.8	4.7	44.9-	44.2-	0	4.7	44.9-	.1
25.4-	53.1	22.6	83.7-	45.7-	0	22.6	83.6-	1.4

SEE 2
PG 3-252

D POINT HAS BEEN REACHED.

GS

CALC	E. GIBSON	2/26/62	EV. ED	NOTE	MAXIMUM SHEAR STRESS & PRINCIPLE STRESSES	DS
CHECK	CRAM	3-5-62			DS LEADING EDGE PANELS	EWA
APPR	Chen	3/6/62			PANEL NO. 25-20367	5-617
APPR	VPR	3/5/62			BOEING AIRPLANE	3-286
					22-80085	

Vol. III

1

ENA	TEST	LOAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	4	40	1	.0	.0	.0	.0	.0	.0
5617	4	100	1	.2	.2	.0	.4	.9	.1
5617	4	200	1	.6	.3	.2-	1.1	4.1	.1-
5617	4	300	1	.9	.5	.4-	1.9	3.2	.6-
5617	4	400	1	1.1	.5	.6-	2.4	3.7	1.1-
5617	4	500	1	1.6	.6	.8-	3.3	5.4	1.3-
5617	4	600	1	2.0	.8	1.0-	4.2	6.7	1.6-
5617	4	700	1	2.6	1.1	1.0-	5.0	9.1	.9-
5617	4	800	1	3.5	1.5	1.1-	6.3	12.5	.2-
5617	4	900	1	5.2	2.5	1.0-	8.5	19.2	2.1
5617	4	1000	1	6.9	3.4	1.0-	10.9	25.9	4.1
5617	4	1200	1	10.0	5.2	.5-	14.4	38.6	9.7
5617	4	1400	1	14.6	8.0	.3	19.6	57.5	18.2
5617	4	1600	1	22.6	12.6	1.0	25.7	69.7	30.3
5917	4	40	2	.0	.0	.0	.0	.0	.0
5917	4	100	2	.4-	.2-	.0	.5	.5-	1.6-
5917	4	200	2	.1	.4-	.2	1.5	4.3	.7-
5917	4	300	2	1.2-	.5-	.5	2.4	.6	4.1-
5917	4	400	2	1.9-	.8-	.5	3.3	.3-	6.8-
5917	4	500	2	2.2-	.8-	.8	4.1	.5	7.7-
5917	4	600	2	2.6-	1.0-	1.0	5.0	.9	9.0-
5917	4	700	2	3.2-	1.1-	1.2	6.0	.9	11.1-
5917	4	800	2	4.3-	1.6-	1.2	7.5	.3-	15.4-
5917	4	900	2	6.0-	2.4-	1.1	9.7	2.7-	22.2-
5917	4	1000	2	7.5-	3.2-	1.0	11.6	4.9-	28.2-
5917	4	1200	2	10.6-	4.8-	.6	15.3	10.1-	40.8-
5917	4	1400	2	15.0-	7.1-	.0	20.6	17.6-	58.7-
5917	4	1600	2	21.3-	10.3-	.5-	28.5	26.9-	84.0-
5617	4	40	3	.0	.0	.0	.0	.0	.0
5617	4	100	3	.2-	.2-	.1-	.2	.6-	1.0-
5617	4	200	3	1.4-	.8-	.2-	1.6	2.4-	5.7-
5617	4	300	3	2.9-	1.6-	.4-	3.4	5.0-	11.8-
5617	4	400	3	4.6-	2.5-	.5-	5.6	7.3-	18.6-
5617	4	500	3	6.1-	3.3-	.5-	7.7	9.1-	24.4-
5617	4	600	3	7.8-	4.2-	.6-	9.9	11.5-	31.2-
5617	4	700	3	9.4-	5.0-	.6-	12.0	13.4-	37.5-
5617	4	800	3	10.9-	5.5-	.7-	14.0	15.5-	43.5-
5617	4	900	3	11.5-	5.6-	.6-	15.0	15.8-	45.7-
5617	4	1000	3	12.2-	6.0-	.6-	15.9	16.6-	48.5-
5617	4	1200	3	13.5-	6.5-	.6-	17.7	18.1-	53.6-
5617	4	1400	3	14.8-	7.0-	.6-	19.5	19.6-	58.7-
5617	4	1600	3	14.2-	6.4-	.3-	19.2	17.7-	56.0-
5617	4	40	4	.0	.0	.0	.0	.0	.0
5617	4	100	4	.1	.0	.0	.2	.4	.0
5617	4	200	4	1.0	.5	.0	1.4	3.9	1.2
5617	4	300	4	2.2	1.1	.0	3.0	8.6	2.6
5617	4	400	4	3.5	1.7	.0	4.8	13.7	4.1
5617	4	500	4	5.0	2.6	.0	6.8	19.6	5.9
5617	4	600	4	6.6	3.5	.0	9.0	25.8	7.7
5617	4	700	4	8.1	4.3	.2	10.8	31.9	10.3
5617	4	800	4	9.2	4.8	.2	12.3	36.2	11.6
5617	4	900	4	9.6	5.0	.4	12.6	38.0	12.8
5617	4	1000	4	10.1	5.3	.4	13.3	40.0	13.4
5617	4	1200	4	11.3	5.9	.5	14.8	44.8	15.2

- CONTINUED -

NOTE: GAGES ZEROED WITH 40 LB DEAD
WEIGHT APPLIED BY LOADING HEAD

FOR INFORMATION ON COLUMN HEADING
SEE PAGE 3-252

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9/3/63

GIBSON 3/26/62
GRAM 3-5-62
CLOVER 3/6/62
VRA 3/9/62

SC	T MAX	F MAX	F MIN	THETA	FA	FC	TC
.0	.0	.0	.0	.0	.0	.0	.0
.0	.4	.9	.1	22.5-	.8	.2	.3
.2-	1.1	2.1	.1-	38.0-	2.1	.1-	.3
.4-	1.9	3.2	.6-	34.5-	3.0	.5-	.7
.6-	2.4	3.7	1.1-	36.8-	3.6	1.0-	.7
.8-	3.3	5.4	1.3-	40.3-	5.3	1.3-	.5
1.0-	4.2	6.7	1.6-	39.3-	6.6	1.6-	.8
1.0-	5.0	9.1	.9-	40.3-	9.0	.9-	.8
1.1-	6.3	12.5	.2-	41.3-	12.4	.2-	.8
1.0-	8.5	19.2	2.1	41.3-	19.2	2.2	1.1
1.0-	10.9	25.9	4.1	41.8-	25.8	4.2	1.2
.5-	14.4	38.6	9.7	42.5-	38.5	9.8	1.4
.3	19.6	57.5	18.2	42.8-	57.5	18.3	1.5
1.0	26.7	69.7	30.3	42.9-	69.6	30.4	2.1
.0	.0	.0	.0	.0	.0	.0	.0
.0	.5	.5-	1.6-	45.0	1.6-	.5-	.0
.2	1.5	2.3	.7-	87.4	.6	.9	1.5-
.5	2.4	.6	4.1-	50.0	4.1-	.5	.4-
.5	3.3	.3-	6.8-	47.4	6.8-	.3-	.3-
.8	4.1	.5	7.7-	46.9	7.7-	.5	.3-
1.0	5.0	.9	9.0-	48.2	9.0-	.9	.5-
1.2	6.0	.9	11.1-	46.3	11.1-	.9	.3-
1.2	7.5	.3-	15.4-	45.5	15.4-	.3-	.1-
1.1	9.7	2.7-	22.2-	44.6	22.2-	2.7-	.1
1.0	11.6	4.9-	28.2-	44.7	28.2-	4.9-	.1
.6	15.3	10.1-	40.8-	44.0	40.8-	10.1-	.3
.0	20.6	17.6-	58.7-	43.5	58.7-	17.6-	1.1
.5-	28.5	26.9-	84.0-	43.3	83.9	26.9-	1.8
.0	.0	.0	.0	.0	.0	.0	.0
.1-	.2	.6-	1.0-	67.5	.9-	.6-	.1-
.2-	1.6	2.4-	5.7-	45.0	5.7-	2.4-	.0
.4-	3.4	5.0-	11.8-	43.8	11.8-	5.0-	.1
.5-	5.6	7.3-	18.6-	44.3	18.6-	7.3-	.1
.5-	7.7	9.1-	24.4-	45.0	24.4-	9.1-	.0
.6-	9.9	11.5-	31.2-	45.0	31.2-	11.5-	.0
.6-	12.0	13.4-	37.5-	45.0	37.5-	13.4-	.0
.7-	14.0	15.5-	43.5-	43.3	43.5-	15.5-	.8
.6-	15.0	15.8-	45.7-	42.6	45.7-	15.8-	1.2
.6-	15.9	16.6-	48.5-	43.0	48.4-	16.7-	1.1
.6-	17.7	18.1-	53.6-	42.6	53.5-	18.2-	1.5
.6-	19.5	19.6-	58.7-	42.2	58.6-	19.7-	1.4
.3-	19.2	17.7-	56.0-	41.5	55.9-	17.8-	2.3
.0	.0	.0	.0	.0	.0	.0	.0
.0	.2	.4	.0	67.5-	.4	.1	.1-
.0	1.4	3.9	1.2	45.0-	3.9	1.2	.0
.0	3.0	8.6	2.6	45.0-	8.6	2.6	.0
.0	4.8	13.7	4.1	45.8-	13.7	4.1	.1-
.0	6.8	19.6	5.9	43.8-	19.5	5.9	.3
.0	9.0	25.8	7.7	43.3-	25.8	7.7	.3
.2	10.8	31.9	10.3	43.9-	31.9	10.3	.4
.2	12.3	36.2	11.6	44.4-	36.2	11.6	.3
.4	12.6	38.0	12.8	45.0-	38.0	12.8	.0
.4	13.3	40.0	13.4	44.7-	40.0	13.4	.1
.5	14.8	44.8	15.2	45.0-	44.8	15.2	.0

SEE PG 3-252

SEE PG 3-252

- CONTINUED -

DEAD
HEAD
NG

C.C. GIBSON 2/26/62 CHECK CRAM 3-5-62 DATE 3/6/62 VRA 3/9/62	MAXIMUM SHEAR STRESS & PRINCIPAL STRESSES DS LEADING EDGE PANELS PANEL NO. 25-20372 THE BOYCE COMPANY SEATTLE, WASH.	DS EWA 5617 3-257
-----------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------	----------------------------

D2-80085

Vol. III

1

EWA	TEST	LOAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	4	1400	4	12.3	6.4	.5	16.2	48.7	16.4
5617	4	1600	4	11.3	5.7	.5	14.8	44.8	15.2
5617	4	40	5	.0	.0	.0	.0	.0	.0
5617	4	100	5	.1	.0	.0	.2	.4	.0
5617	4	200	5	.8	.3	.0	1.1	3.2	.9
5617	4	300	5	1.5	.6	.1-	2.2	5.8	1.3
5617	4	400	5	2.2	.8	.2-	3.3	8.4	1.8
5617	4	500	5	3.1	1.4	.0	4.3	12.1	3.6
5617	4	600	5	4.2	2.0	.0	5.8	16.4	4.9
5617	4	700	5	5.3	2.6	.0	7.3	20.7	6.2
5617	4	800	5	6.4	3.1	.1	8.6	25.2	7.9
5617	4	900	5	7.5	3.7	.3	9.9	29.7	10.0
5617	4	1000	5	8.5	4.3	.4	11.1	33.7	11.5
5617	4	1200	5	10.5	5.5	.6	13.5	41.8	14.7
5617	4	1400	5	13.0	6.8	.8	16.7	51.8	18.4
5617	4	1600	5	15.8	8.2	1.0	20.3	63.0	22.4
5617	4	40	6	.0	.0	.0	.0	.0	.0
5617	4	100	6	.4-	.2-	.2-	.4	1.1-	1.9-
5617	4	200	6	1.3-	.6-	.2-	1.5	2.3-	5.4-
5617	4	300	6	2.3-	1.2-	.4-	2.6	4.2-	9.5-
5617	4	400	6	3.2-	1.8-	.5-	3.7	5.7-	13.1-
5617	4	500	6	4.0-	2.3-	.5-	4.8	6.6-	16.2-
5617	4	600	6	5.0-	2.7-	.5-	6.2	7.8-	20.1-
5617	4	700	6	6.1-	3.3-	.5-	7.7	9.1-	24.4-
5617	4	800	6	7.3-	3.9-	.6-	9.2	10.9-	29.3-
5617	4	900	6	8.4-	4.4-	.5-	10.8	11.8-	33.4-
5617	4	1000	6	9.5-	5.0-	.5-	12.3	13.1-	37.8-
5617	4	1200	6	11.8-	6.2-	.6-	15.3	16.2-	46.9-
5617	4	1400	6	14.3-	7.5-	.6-	18.8	19.1-	56.6-
5617	4	1600	6	17.2-	8.9-	.6-	22.7	22.5-	68.0-
5617	4	40	7	.0	.0	.0	.0	.0	.0
5617	4	100	7	.0	.0	.1-	.2	.0	.4-
5617	4	200	7	.0	.2-	.1-	.4	.2	.7-
5617	4	300	7	.1-	.4-	.2-	.7	.1-	1.5-
5617	4	400	7	.5-	.8-	.6-	.7	2.1-	3.5-
5617	4	500	7	.5-	1.0-	.8	3.6	4.4	2.8-
5617	4	600	7	.2	1.0-	1.0-	2.3	.3	4.3-
5617	4	700	7	.1	.7-	1.0-	1.6	.6-	3.9-
5617	4	800	7	.8	.5-	1.0-	2.7	2.2	3.2-
5617	4	900	7	2.2	.4	.6-	4.0	8.0	.1
5617	4	1000	7	3.9	1.5	.0	5.5	15.4	4.4
5617	4	1200	7	7.0	4.2	1.5	7.5	29.1	14.1
5617	4	1400	7	11.0	7.8	3.8	9.9	47.5	27.7
5617	4	1600	7	16.9	12.0	6.6	14.1	73.9	45.6
5617	4	40	8	.0	.0	.0	.0	.0	.0
5617	4	100	8	.1-	.0	.0	.2	.0	.4-
5617	4	200	8	.0	.2	.3	.4	1.2	.3
5617	4	300	8	.1	.5	.5	.8	2.3	.8
5617	4	400	8	.0	.6	.5	1.2	2.4	.1
5617	4	500	8	.1	.9	.7	1.6	3.6	.4
5617	4	600	8	.0	1.0	1.0	1.9	4.5	.6
5617	4	700	8	.5-	1.0	1.5	3.0	5.6	.5-
5617	4	800	8	1.3-	.6	15.0	28.1	63.0	6.7
5617	4	900	8	2.8-	.2-	.0	5.0	2.1-	12.2-

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9/3/63

FOR INFORMATION ON COLUMN HEADINGS
SEE PG 3-252

- CONTINUED -

E. Gibson 2/6/62
CRAM 3-5-62
C. Gibson 3/6/62
V.R.P. 4/1/62

SC	T MAX	F MAX	F MIN	THETA	FA	FC	TC
.5	16.2	48.7	16.4	45.C-	48.7	16.4	.0
.5	14.8	44.8	15.2	46.C-	44.8	15.2	.5-
.0	.0	.0	.0	.C	.0	.0	.0
.0	.2	.4	.0	67.5-	.4	.1	.1-
.C	1.1	3.2	.9	52.C-	3.1	.9	.3-
.C	2.2	5.8	1.3	48.6-	5.8	1.4	.3-
.1-	3.3	8.4	1.8	49.7-	8.4	1.8	.3-
.2-	4.3	12.1	3.6	47.8-	12.1	3.6	.4-
.0	5.8	16.4	4.9	46.4-	16.4	4.9	.3-
.0	7.3	20.7	6.2	45.5-	20.7	6.2	.1-
.1	8.6	25.2	7.9	46.4-	25.1	7.9	.4-
.3	9.9	29.7	10.0	46.6-	29.7	10.0	.5-
.4	11.1	33.7	11.5	46.C-	33.7	11.5	.4-
.6	13.5	41.8	14.7	45.3-	41.8	14.7	.1-
.8	16.7	51.8	18.4	45.5-	51.8	18.4	.3-
1.C	20.3	63.0	22.4	45.8-	63.0	22.4	.5-
.C	.0	.0	.0	.C	.0	.0	.0
.2-	.4	1.1-	1.9-	22.5	1.8-	1.3-	.3
.2-	1.5	2.3-	5.4-	37.4	5.3-	2.3-	.4
.4-	2.6	4.2-	9.5-	40.5	9.5-	4.3-	.4
.5-	3.7	5.7-	13.1-	43.9	13.1-	5.7-	.1
.5-	4.8	6.6-	16.2-	45.8	16.2-	6.6-	.1-
.5-	6.2	7.8-	20.1-	44.4	20.1-	7.8-	.1
.5-	7.7	9.1-	24.4-	45.C	24.4-	9.1-	.0
.6-	9.2	10.9-	29.3-	44.6	29.3-	10.9-	.1
.5-	10.8	11.8-	33.4-	44.6	33.4-	11.8-	.1
.5-	12.3	13.1-	37.8-	45.C	37.8-	13.1-	.0
.6-	15.3	16.2-	46.9-	45.0	46.9-	16.2-	.0
.6-	18.8	19.1-	56.6-	45.2	56.6-	19.1-	.1-
.6-	22.7	22.5-	68.C-	45.C	68.C-	22.5-	.0
.C	.0	.0	.0	.0	.0	.0	.0
.1-	.2	.0	.4-	22.5-	.1-	.4-	.1
.1-	.4	.2	.7-	80.8-	.1-	.4-	.4-
.2-	.7	.1-	1.5-	84.3-	.6-	.9-	.7-
.6-	.7	2.1-	3.5-	84.3-	2.7-	2.9-	.7-
.8	3.6	4.4	2.8-	75.3	1.0-	2.5	3.1-
1.C-	2.3	.3	4.3-	67.5-	.4-	3.7-	1.6-
1.C-	1.6	.6-	3.9-	57.2-	.8-	3.8-	.7-
1.C-	2.7	2.2	3.2-	57.C-	2.0	3.0-	1.1-
.6-	4.0	8.0	.1	53.C-	7.9	.2	1.1-
.C	5.5	15.4	4.4	51.5-	15.3	4.6	1.2-
1.5	7.5	29.1	14.1	45.5-	29.1	14.1	.1-
3.8	9.9	47.5	27.7	41.8-	47.5	27.8	1.1
6.6	14.1	73.9	45.6	43.6-	73.9	45.6	.7
.C	.0	.0	.0	.C	.0	.0	.0
.C	.2	.0	.4-	22.5	.4-	.1-	.1
.3	.4	1.2	.3	35.8	.3	1.2	.1
.5	.8	2.3	.8	22.5	1.0	2.1	.5
.5	1.2	2.4	.1	17.8	.6	2.0	1.0
.7	1.6	3.6	.4	15.5	1.2	2.8	1.4
1.0	1.9	4.5	.6	22.5	1.2	3.9	1.4
1.5	3.0	5.6	.5-	31.7	.2-	5.3	1.4
15.0	28.1	63.0	6.7	63.7	12.5	57.2	17.1-
.0	5.0	2.1-	12.2-	24.7	11.0-	3.3-	3.3

- CONTINUED -

HEADINGS

NAME	E. GIBSON	DATE	2/26/62	MAXIMUM SHEAR STRESS F	DS
CHK	CRAM	3-5-62		PRINCIPLE STRESSES	EWA
BY	Chabon	3/6/62		DS LEADING EDGE PANELS	5617
APP	VRP	3/1/62		PANEL NO. 25-20372	
				THE TESTING COMPANY	3-258
				10-80035	
				Vol. III	

1

ENA	TEST	LOAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	4	1000	8	4.6-	1.5-	0	4.7	5.0	18.4
5617	4	1200	8	8.5-	4.4-	0	11.6	10.0	33.3
5617	4	1400	8	13.0-	7.8-	0	18.1	14.9	51.2
5617	4	1600	8	19.0-	11.7-	0	26.7	21.6	75.0
5617	4	40	9	.0	.0	0	.0	.0	.0
5617	4	100	9	.3-	.0	0	.6	.2-	1.3-
5617	4	200	9	1.0-	.4-	0	1.4	1.1-	3.9-
5617	4	300	9	2.1-	1.0-	0	2.9	2.5-	8.2-
5617	4	400	9	3.6-	1.7-	2-	4.7	5.0-	14.3-
5617	4	500	9	5.0-	2.4-	2-	6.6	6.6-	19.8-
5617	4	600	9	6.5-	3.0-	4-	8.4	9.1-	26.0-
5617	4	700	9	8.1-	4.7-	4-	10.6	11.0-	32.2-
5617	4	800	9	10.0-	4.5-	6-	13.0	13.9-	40.0-
5617	4	900	9	11.5-	5.0-	6-	15.2	15.6-	46.0-
5617	4	1000	9	12.2-	5.2-	6-	16.2	16.3-	48.8-
5617	4	1200	9	13.8-	6.0-	7-	18.3	18.6-	55.1-
5617	4	1400	9	15.0-	6.4-	7-	20.0	19.9-	59.9-
5617	4	1600	9	15.0-	6.0-	4-	20.5	18.6-	59.7-
5617	4	40	10	.0	.0	0	.0	.0	.0
5617	4	100	10	.1	.1	0	.2	.4	.0
5617	4	200	10	.9	.4	0	1.2	3.5	1.0
5617	4	300	10	1.7	.9	0	2.3	6.6	2.0
5617	4	400	10	2.9	1.4	2-	4.2	11.1	2.6
5617	4	500	10	4.2	2.1	1-	5.9	16.3	4.5
5617	4	600	10	5.7	3.5	0	8.0	22.5	6.5
5617	4	700	10	7.2	3.8	0	9.9	28.2	8.4
5617	4	800	10	9.0	4.6	0	12.3	35.2	10.5
5617	4	900	10	10.3	5.3	0	14.1	40.3	12.1
5617	4	1000	10	11.0	5.6	0	15.1	43.0	12.9
5617	4	1200	10	12.1	6.2	0	16.6	47.3	14.2
5617	4	1400	10	13.4	6.7	2-	18.6	52.2	14.9
5617	4	1600	10	13.0	6.5	7-	18.8	50.0	12.5
5617	4	40	11	.0	.0	0	.0	.0	.0
5617	4	100	11	.0	.0	1-	.2	.0	.4-
5617	4	200	11	.6	.2	0	.9	2.4	.7
5617	4	300	11	1.2	.5	0	1.7	4.7	1.4
5617	4	400	11	1.9	.6	1-	2.8	7.4	1.7
5617	4	500	11	2.8	1.2	0	3.9	11.0	3.2
5617	4	600	11	3.8	1.6	0	5.3	14.9	4.4
5617	4	700	11	4.8	2.1	1	6.5	19.0	5.9
5617	4	800	11	5.9	2.6	1	8.0	23.3	7.2
5617	4	900	11	6.0	3.3	3	7.8	23.8	8.2
5617	4	1000	11	8.1	3.8	4	10.6	32.2	11.0
5617	4	1200	11	10.0	4.7	5	13.1	39.8	13.6
5617	4	1400	11	12.1	5.7	7	15.7	48.3	16.8
5617	4	1600	11	14.5	6.8	8	18.9	57.8	20.0
5617	4	40	12	.0	.0	0	.0	.0	.0
5617	4	100	12	.4-	.2-	1-	.4	.8-	1.7-
5617	4	200	12	.9-	.5-	1-	1.1	1.4-	3.6-
5617	4	300	12	1.6-	1.0-	3-	1.8	3.0-	6.6-
5617	4	400	12	2.5-	1.5-	4-	2.9	4.5-	10.3-
5617	4	500	12	3.3-	1.8-	4-	4.0	5.4-	13.4-
5617	4	600	12	4.1-	2.3-	4-	5.1	6.4-	16.5-
5617	4	700	12	5.0-	2.8-	4-	6.3	7.4-	20.0-

1 GAGE OPEN ; NO DATA

FOR INFORMATION ON COLUMN HEADINGS
SEE PG 3-252

- CONTINUED -

E.	GIBSON	2/26/62
MR.	CRAM	3-2-62
MR.	Chobin	3/6/62
MR.	VPR	3/9/62

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9/3/63

SB	SC	T MAX	F MAX	F MIN	THETA	FA	FC	TC
1.5-	0	4.7	5.0	18.4	35.4	18.0	5.4	4.4
4.4-	0	11.6	10.0	13.3	46.0	33.3	10.0	4.4
7.8-	0	18.1	14.9	11.2	50.6	50.6	15.3	4.4
11.7-	0	24.7	21.6	15.0	51.5	74.3	22.3	0.4
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1.2	0.3	0.4
0.4-	0	1.4	1.1	3.9	39.3	3.9	1.2	0.3
1.0-	0	2.9	2.5	8.2	43.6	8.2	2.5	0.1
1.7-	2	4.7	5.0	14.3	41.6	14.3	5.0	0.3
2.4-	2	6.6	6.6	19.8	42.6	19.8	6.6	0.3
3.0-	4	8.4	9.1	26.0	40.8	25.9	9.2	1.2
4.7-	4	10.6	11.0	32.2	48.3	32.2	11.1	1.4
4.5-	6	13.0	13.9	40.0	40.2	39.8	14.1	2.4
5.0-	6	15.2	15.6	46.0	39.5	45.7	15.8	2.4
5.2-	6	16.2	16.3	48.8	39.1	48.4	16.7	3.3
6.0-	7	18.3	18.6	55.1	39.6	54.8	18.9	3.4
6.4-	7	20.0	19.9	59.9	39.3	59.5	20.3	4.0
6.0-	4	20.5	18.6	59.7	38.4	59.1	19.2	4.6
0	0	0	0	0	0	0	0	0
0.1	0	0.2	0.4	0	22.5	0.4	0.1	0.1
0.4	0	1.2	3.5	1.0	48.2	3.5	1.0	0.1
0.9	0	2.3	6.6	2.0	43.3	6.6	2.0	0.1
1.4	2	4.2	11.1	2.6	44.1	11.1	2.6	0.1
2.1	1	5.9	16.3	4.5	44.3	16.3	4.5	0.1
3.5	0	8.0	22.5	6.5	38.6	22.3	6.7	1.8
3.8	0	9.9	28.2	8.4	43.4	28.2	8.4	0.3
4.6	0	12.3	35.2	10.5	44.4	35.2	10.5	0.3
5.3	0	14.1	40.3	12.1	44.2	40.3	12.1	0.4
5.6	0	15.1	43.0	12.9	44.5	43.0	12.9	0.3
6.2	0	16.6	47.3	14.2	44.3	47.3	14.2	0.4
6.7	2	18.6	52.2	14.9	44.6	52.2	14.9	0.3
6.5	7	18.8	50.0	12.5	43.5	50.0	12.5	1.0
0	0	0	0	0	0	0	0	0
0	1	0.2	0	0.4	22.5	0.1	0.4	0.1
0.2	0	0.9	2.4	0.7	54.2	2.3	0.7	0.3
0.5	0	1.7	4.7	1.4	49.7	4.7	1.4	0.3
0.6	1	2.8	7.4	1.7	53.3	7.3	1.8	0.8
1.2	0	3.9	11.0	3.2	49.1	11.0	3.3	0.3
1.6	0	5.3	14.9	4.4	49.5	14.9	4.5	0.8
2.1	1	6.5	19.0	5.9	49.2	18.9	6.0	1.0
2.6	1	8.0	23.3	7.2	48.9	23.2	7.3	1.1
3.3	3	7.8	23.8	8.2	43.5	23.8	8.2	0.4
3.8	4	10.6	32.2	11.0	48.3	32.2	11.1	1.2
4.7	5	13.1	39.8	13.6	48.3	39.7	13.7	1.3
5.7	7	15.7	48.3	16.8	48.5	48.2	16.9	1.4
6.8	8	18.9	57.8	20.0	48.5	57.7	20.1	2.3
0	0	0	0	0	0	0	0	0
0.2-	1	0.4	0.8	1.7	35.8	1.7	0.9	0.1
0.5-	1	1.1	1.4	3.6	45.0	3.6	1.4	0.0
1.0-	3	1.8	3.0	6.6	47.2	6.6	3.0	0.1
1.5-	4	2.9	4.5	10.3	46.4	10.2	4.5	0.1
1.8-	4	4.0	5.4	13.4	44.0	13.4	5.4	0.1
2.3-	4	5.1	6.4	16.5	45.8	16.5	6.4	0.1
2.8-	4	6.3	7.4	20.0	46.2	20.0	7.4	0.3

- CONTINUED -

HEADINGS

NAME	E. GIBSON	DATE	7/2/62	MAXIMUM SHEAR STRESS & PRINCIPAL STRESSES	DS
CHECK	CRAM	DATE	3-9-62	DS LEADING EDGE PANELS	EWA
DATE	3/6/62			PANEL NO. 25-20372	5617
DATE	3/9/62			THE GIBSON COMPANY	PAGE 3-259

Vol: III

1

EWA	TEST.	LOAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	4	800	12	6.1-	3.3-	.5-	7.7	9.1-	24.4-
5617	4	900	12	7.2-	4.0-	.5-	9.2	10.4-	28.8-
5617	4	1000	12	8.3-	4.5-	.6-	10.5	12.1-	33.2-
5617	4	1200	12	10.1-	5.6-	.7-	12.9	14.6-	40.3-
5617	4	1400	12	12.2-	6.7-	.7-	15.8	17.0-	48.6-
5617	4	1600	12	14.5-	7.9-	.9-	18.6	20.5-	57.8-

- FINISHED -

FOR INFORMATION ON COLUMN HEADINGS SEE PAGE 3-252

US 8501 5000

262

9/3/63

DATE	E. GIBSON	3/26/62
TIME	CRAM	3-5-62
APPRO	Chloe	3/6/2
APP	VRE	3/9/2

U3-11 (2)

					PAGE		4	
B	SC	T MAX	F MAX	F MIN	THETA	FA	FC	TC
3-	.5-	7.7	9.1-	24.4-	45.0	24.4-	9.1-	.0
10-	.5-	9.2	10.4-	28.8-	46.3	28.8-	10.4-	.4-
5-	.6-	10.5	12.1-	33.2-	45.4	33.2-	12.1-	.1-
6-	.7-	12.9	14.6-	40.3-	46.2	40.3-	14.6-	.3-
7-	.7-	15.8	17.0-	48.6-	46.2	48.5-	17.0-	.7-
9-	.9-	18.6	20.5-	57.8-	45.8	57.8-	20.5-	.5-

- FINISHED -

READINGS SEE PAGE 3-252

DESIGNED BY	E. GIBSON 3/26/62	MAXIMUM SHEAR STRESS & PRINCIPLE STRESSES	DS
CHECKED BY	CRAM 3-5-62	DS LEADING EDGE PANELS	EWA
APPROVED BY	CLOVER 3/6/62	PANEL NO. 25-20372	56.7
DATE	VRR 3/9/62	THE BOYING COMPANY	3-260

1

ENA	TEST	LCAD	GAGE	SA	SB	SC	T MAX	F PAX	F MIN
5617	1	40	1	.0	.0	.0	.0	.0	.0
5617	1	100	1	.1-	.1-	.1-	.0	.5-	.5-
5617	1	200	1	.1	.1-	.1-	.4	.4	.4-
5617	1	300	1	.0	.1	.1	.2	.4	.0
5617	1	525	1	.1	.0	.2	.4	1.2	.3
5617	1	600	1	.1	.1-	.2	.7	1.5	.1
5617	1	700	1	.2	.1-	.2	.8	1.8	.2
5617	1	800	1	.3	.1-	.2	1.0	2.2	.3
5617	1	900	1	.5	.0	.2	1.0	2.8	.7
5617	1	1000	1	.7	.1	.3	1.2	3.8	1.3
5617	1	1200	1	1.6	.4	.4	2.3	7.4	2.8
5617	1	1400	1	2.7	.9	.6	3.5	11.9	4.8
5617	1	1500	1	3.2	1.0	.6	4.3	14.0	5.3
5617	1	40	2	.0	.0	.0	.0	.0	.0
5617	1	100	2	.2-	.3-	.2-	.3	.7-	1.3-
5617	1	200	2	.3-	.3-	.2-	.2	1.1-	1.5-
5617	1	300	2	.2-	.2-	.0	.4	.1-	.9-
5617	1	525	2	.2-	.1-	.0	.3	.2-	.8-
5617	1	600	2	.3-	.2-	.1-	.3	.7-	1.3-
5617	1	700	2	.5-	.4-	.2-	.4	1.3-	2.2-
5617	1	800	2	.6-	.5-	.2-	.6	1.4-	2.6-
5617	1	900	2	1.0-	.6-	.3-	1.0	2.3-	4.3-
5617	1	1000	2	1.2-	.7-	.2-	1.4	2.2-	4.9-
5617	1	1200	2	1.9-	1.1-	.2-	2.3	3.0-	7.7-
5617	1	1400	2	2.9-	1.6-	.1-	3.8	3.8-	11.5-
5617	1	1500	2	3.5-	1.9-	.2-	4.5	4.9-	13.9-
5617	1	40	3	.0	.0	.0	.0	.0	.0
5617	1	100	3	.5-	.5-	.2-	.6	1.2-	2.4-
5617	1	200	3	1.1-	.7-	.1-	1.4	1.6-	4.4-
5617	1	300	3	2.0-	.7-	.2	3.0	1.5-	7.6-
5617	1	525	3	6.2-	.1-	1.3	12.1	.3-	24.6-
5617	1	600	3	8.4-	.0	1.7	14.6	.4-	33.6-
5617	1	700	3	12.4-	.2-	2.8	24.3	.1-	48.7-
5617	1	800	3	16.7-	.7-	3.8	32.2	.6-	65.0-
5617	1	900	3	22.3-	1.5-	5.2	42.3	1.2-	85.3-
5617	1	1000	3	28.9-	2.7-	6.8	54.0	2.2-	110.7-
5617	1	1200	3	51.9-	7.7-	11.9	93.6	6.1-	195.1-
5617	1	1400	3	63.2-	13.4-	18.8	149.7	14.9-	313.7-
5617	1	1500	3	102.7-	18.4-	22.4	247.2	22.9-	387.4-
5617	1	40	4	.0	.0	.0	.0	.0	.0
5617	1	100	4	.3-	.2-	.2-	.2	1.1-	1.5-
5617	1	200	4	.1-	.1-	.0	.2	.0	.4-
5617	1	300	4	.6	.1	.1	1.0	2.7	.8
5617	1	525	4	4.4	.2-	1.2-	9.1	17.3	1.0-
5617	1	600	4	6.2	.4-	2.2-	13.2	23.4	3.1-
5617	1	700	4	9.6	.1-	3.5-	19.9	35.4	4.4-

263 NOTE: GAGES ZEROED WITH 40 LB DEAD WEIGHT APPLIED BY LOADING HEAD

FOR INFORMATION ON COLUMN HEADINGS SEE PAGE 3-252

9/3/63

- CONTINUED -

CRAM 3-5-62
 closed 2/6/62
 VRR 7/4/62

2

SC T MAX F PAX F MIN THETA FA FC PAGE 1

.0	.0	.0	.0	.0	0	.0	.0	.0
.1-	.0	.5-	.5-	.0	0	.5-	.5-	.0
.1-	.4	.4	.4-	67.5-	0	.3	.3-	.3-
.1	.2	.4	.0	22.5	0	.1	.4	.1
.2	.4	1.2	.3	80.8	0	.6	.9	.4-
.2	.7	1.5	.1	84.3	0	.6	.9	.7-
.2	.8	1.8	.2	90.0	0	1.0	1.0	.8-
.2	1.0	2.2	.3	85.9-	0	1.4	1.1	1.0-
.2	1.0	2.8	.7	78.4-	0	2.2	1.4	1.0-
.3	1.2	3.8	1.3	76.7-	0	3.1	2.0	1.1-
.4	2.3	7.4	2.8	67.5-	0	6.7	3.4	1.6-
.6	3.5	11.9	4.8	62.8-	0	11.3	5.5	2.0-
.6	4.3	14.0	5.3	62.3-	0	13.2	6.1	2.3-

.0	.0	.0	.0	.0	0	.0	.0	.0
.2-	.3	.7-	1.3-	90.0	0	1.0-	1.0-	.3-
.2-	.2	1.1-	1.5-	67.5	0	1.4-	1.1-	.1-
.0	.4	.1-	.9-	67.5	0	.8-	.2-	.3-
.0	.3	.2-	.8-	45.0	0	.8-	.2-	.0
.1-	.3	.7-	1.3-	45.0	0	1.3-	.7-	.0
.2-	.4	1.3-	2.2-	54.2	0	2.2-	1.4-	.1-
.2-	.6	1.4-	2.6-	58.3	0	2.6-	1.5-	.3-
.3-	1.0	2.3-	4.3-	40.9	0	4.3-	2.3-	.1
.2-	1.4	2.2-	4.9-	45.0	0	4.9-	2.2-	.0
.2-	2.3	3.0-	7.7-	46.7	0	7.7-	3.0-	.1-
.1-	3.8	3.8-	11.5-	47.0	0	11.5-	3.8-	.3-
.2-	4.5	4.9-	13.9-	45.9	0	13.9-	4.9-	.1-

.0	.0	.0	.0	.0	0	.0	.0	.0
.2-	.6	1.2-	2.4-	67.5	0	2.2-	1.4-	.4-
.1-	1.4	1.6-	4.4-	50.6	0	4.4-	1.7-	.3-
.2	3.0	1.5-	7.6-	39.8	0	7.6-	1.6-	.3
1.3	12.1	.3-	44.5-	29.0	0	22.7-	2.2-	9.4
1.7	16.6	.4-	33.6-	28.2	0	30.9-	3.2-	9.4
2.8	24.3	.1-	48.7-	29.4	0	45.2-	3.6-	12.6
3.8	32.2	.6-	65.0-	30.3	0	60.9-	4.7-	13.7
5.2	42.3	1.2-	85.8-	31.4	0	81.1-	5.8-	14.3
6.8	54.0	2.2-	110.0-	32.5	0	105.0-	7.3-	14.4
1.9	93.6	6.1-	145.1-	34.5	0	129.1-	14.3-	33.7
P.8	149.0	14.9-	313.0-	34.9	0	303.0-	24.1-	37.5
2.4	123.7	20.9-	387.4-	37.6	0	375.5-	32.9-	67.1

SEE 2
PG 3-252

.0	.0	.0	.0	.0	0	.0	.0	.0
.2-	.2	1.1-	1.5-	22.5	0	1.4-	1.1-	.1
.0	.2	.0	.4-	67.5	0	.4-	.1-	.1-
.1	1.0	2.7	.8	67.5-	0	2.5	1.1	.7-
1.2-	9.1	17.3	1.0-	61.4-	0	15.8	.5	4.9-
2.2-	13.2	23.4	3.1-	59.9-	0	21.7	1.3-	6.0-
3.5-	19.9	35.4	4.4-	57.8-	0	33.4	2.4-	8.6-

- CONTINUED -

CRAM 3-5-62
close 3/1/2
VPR 7/1/2

MAXIMUM SHEAR STRESS &
PRINCIPAL STRESSES
DS LEADING EDGE PANELS
PANEL NO. 25-20376

DS
EWA
5617

3-261

1

ENA	TEST	LCAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	1	800	4	13.5	.6	4.7-	27.0	49.4	4.6-
5617	1	900	4	18.4	1.6	6.5-	36.1	66.4	5.9-
5617	1	1000	4	24.4	3.4	8.1-	44.0	87.8	4.9-
5617	1	1200	4	43.4	10.1	11.4-	74.2	154	4.6-
5617	1	1400	4	68.1	18.6	14.6-	115	251	40.6
5617	1	1500	4	82.6	23.5	16.2-	138	307	51.0

5617	1	40	5	.0	.0	.0	.0	.0	.0
5617	1	100	5	.2-	.2-	.4-	.4	1.1-	1.9-
5617	1	200	5	.1-	.4-	.7-	.8	1.2-	2.8-
5617	1	300	5	.2-	.1-	.2-	.3	.7-	1.3-
5617	1	525	5	.7-	.8	2.0	3.7	7.0	.4-
5617	1	600	5	.9-	1.1	2.9	5.2	10.3	.1-
5617	1	700	5	1.0-	1.7	4.0	6.9	14.5	.8
5617	1	800	5	1.4-	2.6	5.8	9.9	21.1	1.3
5617	1	900	5	2.0-	3.9	8.5	14.5	31.0	2.0
5617	1	1000	5	2.7-	5.2	11.7	19.8	42.7	3.1
5617	1	1200	5	4.9-	8.2	19.4	33.4	70.2	3.5
5617	1	1400	5	6.9-	10.9	26.6	44.0	94.0	4.1
5617	1	1500	5	8.3-	12.4	30.5	53.3	110	5.2

5617	1	40	6	.0	.0	.0	.0	.0	.0
5617	1	100	6	.1-	.3-	.5-	.5	1.0-	2.1-
5617	1	200	6	.1-	.3-	.7-	.9	1.2-	2.9-
5617	1	525	6	.6-	.6	1.4	2.8	4.8	.8-
5617	1	600	6	.8-	.8	2.0	3.9	6.9	.8-
5617	1	700	6	1.0-	1.0	2.8	5.2	9.8	.6-
5617	1	800	6	1.4-	1.6	4.2	7.7	14.8	.6-
5617	1	900	6	2.0-	2.3	6.1	11.1	21.5	.7-
5617	1	1000	6	2.6-	3.5	8.6	15.4	30.6	.1-
5617	1	1200	6	4.4-	5.9	14.2	25.6	50.5	.7-
5617	1	1400	6	6.0-	8.2	20.0	35.8	71.3	.1-
5617	1	1500	6	7.2-	9.4	23.2	41.8	82.5	1.1

5617	1	40	7	.0	.0	.0	.0	.0	.0
5617	1	100	7	.5-	.5-	.5-	.0	2.5-	2.5-
5617	1	200	7	.6-	.5-	.5-	.2	2.6-	3.0-
5617	1	300	7	.5-	.5-	.5-	.0	2.5-	2.5-
5617	1	525	7	.3-	.5-	.6-	.4	1.8-	2.7-
5617	1	600	7	.2-	.5-	.7-	.7	1.6-	3.0-
5617	1	700	7	.0	.5-	.9-	1.2	1.0-	3.5-
5617	1	800	7	.0	.5-	1.0-	1.4	1.2-	3.9-
5617	1	900	7	.4	.5-	1.4-	2.5	.1-	5.0-
5617	1	1000	7	.8	.3-	1.5-	3.1	1.4	4.9-
5617	1	1200	7	2.1	.0	2.0-	5.6	5.9	5.4-
5617	1	1400	7	4.0	.6	2.5-	8.9	12.7	5.1-
5617	1	1500	7	4.9	.9	2.8-	10.5	15.9	5.2-

FOR INFORMATION ON COLUMN HEADINGS
SEE PAGE 3-252

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9/3/63

CONTINUED	
CHECK	CRAM 3-5-67
APPR	Closter 3/6/72
APPR	VRP 3/9/72

134021-1000

SC	T MAX	F MAX	F MIN	THETA		FA	FC	TC
4.7-	27.0	49.4	4.6-	56.3-	0	47.3	2.5-	10.4-
6.5-	36.1	66.4	5.0-	54.6-	0	64.3	3.8-	11.4-
8.1-	44.0	87.8	6.0-	53.1-	0	85.4	5.0-	13.0-
11.4-	74.8	158.	4.6	51.1-	0	156.	6.3	16.4-
14.6-	115.	251.	40.6	50.6-	0	249.	22.8	22.4-
16.2-	138.	307.	31.0	50.5-	0	304.	33.5	26.0-

SEE 2
PG 3-252

.0	.0	.0	.0	.0	0	.0	.0	.0
.4-	.4	1.1-	1.9-	22.5-	0	1.3-	1.8-	.3
.7-	.8	1.2-	2.8-	45.0-	0	1.2-	2.8-	.0
.2-	.3	.7-	1.3-	.0	0	1.0-	1.0-	.3
2.0	3.7	7.0	.4-	41.8	0	.4-	7.0	.4
2.9	5.2	10.3	.1-	43.5	0	.1-	10.3	.3
4.0	6.9	14.5	.8	42.7	0	.8	14.5	.3
5.8	9.9	21.1	1.3	41.8	0	1.3	21.0	1.1
8.5	14.5	31.0	2.0	41.5	0	2.1	30.9	1.6
11.7	19.8	42.7	3.1	42.2	0	3.2	42.6	1.4
16.4	33.4	70.2	3.5	42.8	0	3.6	70.1	2.6
26.6	46.0	96.0	4.1	43.2	0	4.2	96.0	2.4
30.5	53.3	110.	3.2	43.1	0	3.3	110.	3.3

SEE 2
PG 3-252

.0	.0	.0	.0	.0	0	.0	.0	.0
.5-	.5	1.0-	2.1-	45.0-	0	1.0-	2.1-	.0
.7-	.9	1.2-	2.9-	35.8-	0	1.2-	2.8-	.3
1.4	2.8	4.8	.8-	39.3	0	.7-	4.8	.3
2.0	3.9	6.9	.8-	40.9	0	.8-	6.9	.3
2.8	5.2	9.8	.6-	43.5	0	.6-	9.8	.3
4.2	7.7	14.8	.6-	43.0	0	.5-	14.8	.3
6.1	11.1	21.5	.7-	43.2	0	.7-	21.5	.7
8.6	15.4	30.6	.1-	42.4	0	.1-	30.6	1.4
14.2	25.6	50.5	.7-	41.9	0	.5-	50.4	2.7
20.0	35.8	71.3	.1-	42.4	0	.0	71.2	3.3
23.2	41.8	82.5	1.1	42.4	0	.9	82.3	3.8

SEE 2
PG 3-252

.0	.0	.0	.0	.0	0	.0	.0	.0
.5-	.0	2.5-	2.5-	.0	0	2.5-	2.5-	.0
.5-	.2	2.6-	3.0-	22.5	0	2.9-	2.7-	.1
.5-	.0	2.5-	2.5-	.0	0	2.5-	2.5-	.0
.6-	.4	1.8-	2.7-	54.2-	0	1.9-	2.7-	.1-
.7-	.7	1.6-	3.0-	50.6-	0	1.6-	3.0-	.1-
.9-	1.2	1.0-	3.5-	48.2-	0	1.0-	3.5-	.1-
1.0-	1.4	1.2-	3.9-	45.0-	0	1.2-	3.9-	.0
1.4-	2.5	.1-	5.0-	45.0-	0	.1-	5.0-	.0
1.5-	3.1	1.4	4.9-	43.8-	0	1.4	4.9-	.1
2.0-	5.6	5.9	5.4-	45.7-	0	5.9	5.4-	.1-
2.5-	8.9	12.7	5.1-	46.3-	0	12.7	5.1-	.4-
2.8-	10.5	15.9	5.2-	46.1-	0	15.9	5.2-	.4-

CONTINUED -		DATE		MAXIMUM SHEAR STRESS & PRINCIPAL STRESSES DS LEADING EDGE PANELS PANEL NO. 25-20376 BOEING AIRPLANE COMPANY SEATTLE, WASH. 98108 D2-30085 11.1.11	DS
CALL	GRAM 3-5-62				EWA
CHECK	3/1/72				5617
APPR	VPR 3/1/72				3-262

1

ERA	TEST	LCAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	1	40	e	.0	.0	.0	.0	.0	.0
5617	1	100	e	.5-	.5-	.5-	.0	2.5-	2.5-
5617	1	200	e	.5-	.5-	.5-	.0	2.5-	2.5-
5617	1	300	e	.5-	.5-	.5-	.0	2.5-	2.5-
5617	1	525	e	1.0-	.9-	.6-	.6	3.5-	4.7-
5617	1	600	e	1.1-	1.0-	.9-	.3	4.8-	5.4-
5617	1	700	e	1.3-	1.1-	1.0-	.4	5.4-	6.3-
5617	1	800	e	1.4-	1.3-	1.1-	.4	5.9-	6.8-
5617	1	900	e	1.5-	1.5-	1.4-	.2	7.2-	7.6-
5617	1	1000	e	1.6-	1.8-	1.5-	.7	7.2-	8.6-
5617	1	1000	e	2.1-	2.3-	2.0-	.7	9.7-	11.1-
5617	1	1400	e	2.9-	2.9-	2.3-	1.2	12.0-	14.4-
5617	1	1500	e	3.2-	3.1-	2.5-	1.2	13.3-	15.7-

5617	1	40	9	.0	.0	.0	.0	.0	.0
5617	1	100	9	.5-	.5-	.0	1.0	.3-	2.2-
5617	1	200	9	.5-	.6-	.1	1.4	.3	2.4-
5617	1	300	9	.5-	1.0-	.1	2.3	1.3	3.3-
5617	1	525	9	.1-	2.3-	.5-	5.5	4.0	7.0-
5617	1	600	9	.0	3.0-	1.0-	7.0	4.4	9.5-
5617	1	700	9	.2	4.0-	2.0-	9.0	4.4	13.6-
5617	1	800	9	1.0	5.3-	3.9-	12.5	5.1	19.9-
5617	1	900	9	2.7	7.5-	7.9-	19.8	6.5	33.0-
5617	1	1000	9	6.0	10.5-	14.0-	32.7	12.3	53.0-
5617	1	1200	9	16.2	24.3-	33.3-	80.3	36.9	124.0-
5617	1	1400	9	25.0	44.5-	54.3-	136.0	61.4	210.0-
5617	1	1500	9	29.9	60.9-	67.6-	176.0	80.5	272.0-

				SB	SC				
5617	1	40	10	.0	.0	.0	.0	.0	.0
5617	1	100	10	1.9	.0	.2	1.7	7.8	1.3
5617	1	200	10	2.6	.5	.2	4.3	10.4	1.8
5617	1	300	10	2.8	.4	.2	4.8	11.4	1.8
5617	1	525	10	2.1	1.0-	.6	6.0	9.9	2.2-
5617	1	600	10	1.8	1.8-	1.0	7.1	9.2	3.1-
5617	1	700	10	1.1	3.4-	1.0	9.9	10.1	4.6-
5617	1	800	10	.0	6.4-	1.0	15.0	14.0	10.0-
5617	1	900	10	2.4-	12.5-	1.2	29.3	20.2	30.5-
5617	1	1000	10	6.1-	22.2-	1.2	51.2	32.7	69.5-
5617	1	1200	10	46.0-	51.9-	1.3	110.0	80.7	180.0-
5617	1	1400	10	33.5-	80.8-	1.0	179.0	70.2	265.0-
5617	1	1500	10	34.4-	99.5-	1.4	226.0	137.0	319.0-

				SA	SB	SC			
5617	1	40	11	.0	.0	.0	.0	.0	.0
5617	1	100	11	.3-	.1-	.2-	.4	.8-	1.7-
5617	1	200	11	.2-	.1-	.3-	.4	.8-	1.7-

SA OPEN

FOR INFORMATION ON COLUMN HEADINGS
SEE PAGE 3-252

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9/3/63

CONTINUED		
CHECK	CRAV	3-5-62
APPR	Chloe	3/6/2
APPR	VRP	3/9/2

US 5501 5000

SC	T MAX	F MAX	F MIN	THETA	FA	FC	PAGE 3 IC
.0	.0	.0	.0	.0	.0	.0	.0
.5-	.0	2.5-	2.5-	.0	2.5-	2.5-	.0
.5-	.0	2.5-	2.5-	.0	2.5-	2.5-	.0
.5-	.0	2.5-	2.5-	.0	2.5-	2.5-	.0
.6-	.6	3.5-	4.7-	58.3	4.6-	3.5-	.3-
.9-	.3	4.8-	5.4-	45.0	5.4-	4.8-	.0
1.0-	.4	5.4-	6.3-	35.8	6.3-	5.4-	.1
1.1-	.4	5.9-	6.8-	54.2	6.8-	5.9-	.1-
1.4-	.2	7.2-	7.6-	67.5	7.5-	7.2-	.1-
1.5-	.7	7.2-	8.6-	84.3	8.0-	7.7-	.7-
2.0-	.7	9.7-	11.1-	84.3	10.5-	10.3-	.7-
2.3-	1.2	12.0-	14.4-	67.5	14.0-	12.4-	.8-
2.5-	1.2	13.3-	15.7-	62.8	15.4-	13.5-	.7-

.0	.0	.0	.0	.0	0	.0	.0	.0
.0	1.0	.3-	2.2-	67.5	0	2.0-	.6-	.7-
.1	1.4	.3	2.4-	71.6	0	1.8-	.2-	1.1-
.1	2.3	1.3	3.3-	79.7	0	1.8-	.2-	2.4-
.5-	5.5	4.0	7.0-	87.1-	0	1.0-	2.1-	5.3-
1.0-	7.0	4.4	9.5-	84.3-	0	1.2-	3.9-	6.8-
2.0-	9.0	4.4	13.6-	80.2-	0	1.6-	7.6-	8.5-
3.9-	12.5	5.1	19.9-	73.8-	0	.7-	14.1-	10.3-
7.9-	19.8	6.5	33.0-	66.4-	0	1.3	27.7-	13.4-
14.0-	32.7	12.3	53.0-	61.5-	0	7.0	47.7-	17.8-
33.3-	80.3	36.9	124.4-	61.2-	0	24.3	111.1-	43.1-
54.3-	136.4	61.4	210.4-	63.5-	0	34.1	183.1-	81.2-
67.6-	176.4	80.5	272.4-	65.4-	0	37.6	229.1-	115.1-

SEE 2
PG 3-252

.0	.0	.0	.0	.0	0
.3-	2.7	7.8	.3	63.2-	0
1.2-	11.3	10.4	1.5	55.3-	0
1.2-	4.8	11.4	1.5	60.5-	0
1.6-	6.0	9.9	2.2-	71.2-	0
1.8-	7.1	9.2	5.1-	73.8-	0
1.8-	9.9	10.1	9.5-	81.5-	0
1.8-	15.0	18.9	18.0-	82.0-	0
1.8-	29.3	20.2	38.5-	86.4	0
1.8-	31.2	32.7	49.5-	86.2	0
1.3	110.1	40.7	100.1-	81.0	0
1.4	179.1	90.2	268.1-	82.9	0
1.4	228.1	137.1	315.1-	84.3	0

.0	.0	.0
7.1	1.0	2.4-
9.9	2.3	1.7-
10.7	2.5	2.0-
7.5	.1	4.0-
5.9	1.2	6.4-
3.1	2.6	9.4-
1.4	4.7	15.9-
10.8	7.5	29.3-
25.3	11.0	50.8-
103.1	35.6	105.1-
133.1	44.8	174.1-
136.1	45.9	223.1-

Sc	.0	.0	.0	.0	0
.2-	.4	.8-	1.7-	9.2	0
.3-	.4	.8-	1.7-	9.2-	0

.0	.0	.0
1.4-	1.1-	.4
1.1-	1.4-	.4

CONTINUED -			REVISION	DATE	MAXIMUM SHEAR STRESS & PRINCIPAL STRESSES DS LEADING EDGE PANELS PANEL NO. 25-20376 BOEING AIRPLANE COMPANY SEATTLE 4, WASHINGTON	DS
CHECK	CRAM	3-5-62				EWA
APPR	Chob	3/6/2				5617
APPR	VRR	3/9/2				PAGE
					D2-80095	3-263

Vol: M

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ENA	TEST	LCAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	1	525	11	.6-	.7	1.0	3.0	5.6	.5-
5617	1	600	11	1.0-	1.0	2.4	4.7	8.3	1.2-
5617	1	700	11	1.0-	1.5	2.3	5.1	8.4	1.8-
5617	1	800	11	1.2-	1.9	3.9	7.1	14.0	.3-
5617	1	900	11	1.2-	2.0	4.0	7.3	14.4	.2-
5617	1	1000	11	1.2-	2.0	4.0	7.3	14.4	.2-
5617	1	1200	11	1.3-	2.5	4.1	8.0	15.1	.9-
5617	1	1400	11	1.4-	2.9	4.1	8.6	15.5	1.8-
5617	1	1500	11	1.4-	3.0	4.1	8.8	15.6	1.9-
5617	1	40	12	.0	.0	.0	.0	.0	.0
5617	1	100	12	.2-	.3-	.2-	.3	.7-	1.3-
5617	1	200	12	.2-	.4-	.2-	.5	.5-	1.6-
5617	1	300	12	.2-	.5-	.0	.6	.1	1.1-
5617	1	525	12	.6-	.0	1.5	3.1	5.4	.8-
5617	1	600	12	.9-	.2	2.2	4.4	7.7	1.1-
5617	1	700	12	1.0-	.2	3.0	5.9	11.0	.8-
5617	1	800	12	1.1-	.0	3.4	6.9	12.8	1.1-
5617	1	900	12	1.0-	.0	3.5	7.0	13.4	.7-
5617	1	1000	12	1.0-	.0	3.7	7.4	14.3	.5-
5617	1	1200	12	.7-	.1-	4.0	8.0	16.4	.4
5617	1	1400	12	.5-	.4-	4.3	9.1	18.8	.5
5617	1	1500	12	.5-	.4-	4.5	9.5	19.7	.7

FOR INFORMATION ON COLUMN HEADINGS SEE PAGE 3-252

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9/3/63

CALC	
CHECK	CRAM 3-5-62
APPR	Closter 3/5/62
APPR	VPR 3/5/62

US-4021-000 1-4-61 DAC 55

SB	SC	T MAX	F MAX	F MIN	THETA		FA	FC	PAGE 4 TC
.7	1.6	3.0	5.6	.5-	39.8	0	.5-	5.5	.5
1.0	2.4	4.7	8.3	1.2-	40.0	0	1.1-	8.2	.8
1.5	2.3	5.1	8.4	1.8-	31.4	0	1.2-	7.8	2.5
1.9	3.9	7.1	14.0	.3-	38.9	0	.1-	13.8	1.5
2.0	4.0	7.3	14.4	.2-	38.5	0	.0	14.2	1.6
2.0	4.0	7.3	14.4	.2-	38.5	0	.0	14.2	1.6
2.5	4.1	8.0	15.1	.9-	33.9	0	.3-	14.5	3.0
2.9	4.1	8.6	15.5	1.8-	30.3	0	.7-	14.4	4.2
3.0	4.1	8.8	15.6	1.9-	29.5	0	.7-	14.4	4.5
.0	.0	.0	.0	.0	.0	0	.0	.0	.0
.3-	.2-	.3	.7-	1.3-	90.0	0	1.0-	1.0-	.5-
.4-	.2-	.5	.5-	1.6-	90.0	0	1.0-	1.0-	.5-
.3-	.0	.6	.1	1.1-	76.7	0	.8-	.2-	.5-
.0	1.5	3.1	5.4	.8-	56.6	0	.6-	5.2	1.2-
.2	2.2	4.4	7.7	1.1-	53.1	0	.9-	7.5	1.2-
.2	3.0	5.9	11.0	.8-	55.9	0	.4-	10.6	2.2-
.0	3.4	6.9	12.8	1.1-	58.5	0	.3-	12.0	3.1-
.0	3.5	7.0	13.4	.7-	59.5	0	.2	12.5	3.4-
.0	3.7	7.4	14.3	.5-	59.9	0	.4	13.3	3.7-
.1-	4.0	8.0	16.4	.4	63.3	0	2.0	14.8	4.5-
.4-	4.3	9.1	18.8	.5	66.9	0	3.1	16.2	6.3-
.4-	4.5	9.5	19.7	.7	66.9	0	3.3	17.0	6.6-

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N HEADINGS SEE PAGE 3-252

DATE		TIME	DATE	MAXIMUM SHEAR STRESS & PRINCIPAL STRESSES DS LEADING EDGE PANELS PANEL NO. 25-20376	DS EWA 5617
DATE	GRAM 3-262	TIME	3/1/72	BOEING AIRPLANE COMPANY SEATTLE, WASH. D2-90085	PAGE 3-264
TIME	VRK 3/1/72				

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ENA	TEST	LOAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	3	40	1	.0	.0	.0	.0	.0	.0
5617	3	100	1	.3-	.2-	.0	.4	.3-	1.2-
5617	3	200	1	1.1-	.7-	.2	1.9	.4-	4.2-
5617	3	300	1	2.0-	1.4-	.3	3.8	.0	7.7-
5617	3	400	1	3.0-	2.0-	.6	5.4	.7-	11.5-
5617	3	500	1	4.2-	2.6-	1.0	7.6	.5-	15.8-
5617	3	600	1	5.7-	3.4-	1.4	10.3	.6-	21.2-
5617	3	700	1	7.1-	4.0-	1.8	12.7	.7-	26.2-
5617	3	800	1	8.4-	4.5-	2.2	15.0	.8-	30.8-
5617	3	900	1	9.9-	5.1-	2.6	17.6	1.0-	36.1-
5617	3	1000	1	12.4-	6.3-	3.0	21.5	2.4-	45.4-
5617	3	1200	1	19.6-	12.3-	1.1	29.5	17.5-	76.6-
5617	3	1400	1	22.7-	16.5-	1.6-	31.3	30.5-	93.0-
5617	3	1600	1	20.8-	17.1-	3.6-	27.1	34.0-	89.1-
5617	3	2000	1	18.6-	15.1-	3.8-	22.9	34.0-	79.9-
5617	3	40	2	.0	.0	.0	.0	.0	.0
5617	3	100	2	.2-	.1-	.1-	.2	.6-	1.0-
5617	3	200	2	.8-	.4-	.2-	.9	1.7-	3.4-
5617	3	300	2	1.1-	.4-	.2-	1.4	1.9-	4.7-
5617	3	400	2	1.4-	.5-	.5-	1.7	3.1-	6.6-
5617	3	500	2	1.5-	.5-	.6-	1.9	3.4-	7.3-
5617	3	600	2	1.6-	.5-	.7-	2.2	3.7-	8.0-
5617	3	700	2	1.0-	.0	.8-	2.5	2.1-	7.0-
5617	3	800	2	.1	.6	.9-	3.0	1.0	5.1-
5617	3	900	2	1.7	1.5	1.0-	4.8	6.6	3.1-
5617	3	1000	2	3.7	2.9	1.1-	7.9	14.5	1.3-
5617	3	1200	2	4.1	3.0	.7-	7.5	16.1	1.2
5617	3	1400	2	4.9	3.4	.6-	8.3	19.2	2.7
5617	3	1600	2	10.5	6.9	1.1-	17.0	40.9	6.9
5617	3	2000	2	11.6	20.6	1.3-	47.5	125.	20.6
5617	3	40	3	.0	.0	.0	.0	.0	.0
5617	3	100	3	.0	.1-	.0	.3	.3	.3-
5617	3	200	3	1.1-	1.0-	.2-	1.5	1.7-	4.9-
5617	3	300	3	3.0-	2.1-	.2-	4.4	3.2-	12.0-
5617	3	400	3	5.2-	3.2-	.2-	7.3	5.9-	20.5-
5617	3	500	3	7.5-	4.2-	.2-	10.3	8.7-	29.4-
5617	3	600	3	10.0-	5.0-	.2-	13.7	11.7-	39.1-
5617	3	700	3	12.7-	6.2-	.3-	17.0	16.0-	50.0-
5617	3	800	3	15.2-	7.4-	.3-	20.4	19.0-	59.8-
5617	3	900	3	17.5-	8.4-	.0	24.0	20.5-	68.5-
5617	3	1000	3	20.5-	9.2-	.0	28.2	23.9-	80.3-
5617	3	1200	3	26.2-	11.1-	.0	36.3	30.3-	103.
5617	3	1400	3	31.4-	13.0-	.0	43.4	36.2-	123.
5617	3	1600	3	36.9-	15.1-	.8	51.3	42.5-	145.
5617	3	2000	3	46.7-	19.5-	.0	64.8	53.9-	184.-
5617	3	40	4	.0	.0	.0	.0	.0	.0
5617	3	100	4	.3-	1.9-	.1-	4.7	3.6	5.7-
5617	3	200	4	.5	3.8-	.0	11.1	12.4	9.8-
5617	3	300	4	2.3-	6.7-	.3	16.0	10.9	21.1-
5617	3	400	4	5.7	8.5-	.3	32.3	47.6	17.1-
5617	3	500	4	8.8	5.0-	.4	28.7	52.1	5.3-
5617	3	600	4	12.4	1.6-	.2	27.3	59.4	4.7
5617	3	700	4	19.4-	2.5-	.4	33.2	15.1-	81.5-
5617	3	800	4	53.0	.8	.5	401.	238.	34.5

FOR DATA SEE PG 2

NOTE: GAGES ZEROED WITH 40 LBS
DEAD WEIGHT APPLIED BY
LOADING HEAD

1 SHORT; NO DATA (STRAIN GAGE
SHORTED)
FOR INFORMATION ON COLUMN HEADINGS
SEE PG 2-257

- CONTINUED -

INC	E. GIBSON 7/26/62	REVISED
CHECK	CRAM 3-5-62	
APP	Chloris 3/6/2	
BY	VRR 3/9/2	

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						PAGE 1		
SC	T MAX	F MAX	F MIN	THETA		FA	FC	TC
.0	.0	.0	.0	.0	0	.0	.0	.0
.0	.4	.3-	1.2-	54.2	0	1.2-	.3-	.1-
.2	1.9	.4-	4.2-	55.5	0	4.1-	.5-	.7-
.5	3.8	.0	7.7-	58.7	0	7.2-	.4-	1.8-
.6	5.4	.7-	11.5-	57.0	0	11.0-	1.2-	2.4-
1.0	7.6	.5-	15.8-	55.3	0	15.3-	1.0-	2.7-
1.4	10.3	.6-	21.2-	54.7	0	20.7-	1.2-	3.4-
1.8	12.7	.7-	26.2-	53.4	0	25.7-	1.3-	3.7-
2.2	15.0	.8-	30.8-	52.4	0	30.3-	1.2-	3.8-
2.6	17.6	1.0-	36.1-	51.5	0	35.7-	1.4-	4.0-
3.0	21.5	2.4-	45.4-	50.9	0	45.0-	2.8-	4.4-
1.1	29.5	17.5-	76.6-	53.2	0	75.4-	18.7-	8.3-
1.6	31.3	30.5-	93.0-	56.2	0	90.7-	32.9-	11.4-
3.6	27.1	34.0-	80.1-	59.8	0	85.6-	38.5-	13.4-
3.8	22.9	34.0-	79.9-	58.9	0	77.2-	36.7-	10.7-
.0	.0	.0	.0	.0	0	.0	.0	.0
.1	.2	.6-	1.0-	22.5	0	.9-	.6-	.1
.2	.9	1.7-	3.4-	35.8	0	3.4-	1.7-	.3
.2	1.4	1.9-	4.7-	30.5	0	4.5-	2.1-	.7
.5	1.7	3.1-	6.6-	22.5	0	6.1-	3.6-	1.6
.6	1.9	3.4-	7.3-	19.6	0	6.6-	4.1-	1.5
.7	2.2	3.7-	8.0-	17.3	0	7.1-	4.6-	1.8
.8	2.5	2.1-	7.0-	3.2	0	4.8-	4.3-	2.5
.9	3.0	1.0	5.1-	13.3-	0	.7-	3.4-	2.7
1.0	4.8	6.6	3.1-	24.8-	0	5.5	1.9-	3.1
1.1	7.9	14.5	1.3-	28.1-	0	13.2	.0	4.4
.7	7.5	16.1	1.2	30.8-	0	15.2	2.1	3.5
.6	8.3	19.2	2.7	32.8-	0	18.5	3.4	3.4
1.1	17.0	40.9	6.9	34.6-	0	39.8	8.0	6.0
1.3	42.5	125.	40.6	35.8-	0	122.	32.0	14.4
.0	.0	.0	.0	.0	0	.0	.0	.0
.0	.3	.3	.3-	90.0	0	.0	.0	.3-
.2	1.5	1.7-	4.9-	63.9	0	4.5-	2.1-	1.0-
.2	4.4	3.2-	12.0-	55.9	0	11.7-	3.5-	1.8-
.2	7.3	5.9-	20.3-	51.5	0	20.3-	6.1-	1.6-
.2	10.3	8.7-	29.4-	48.4	0	29.3-	8.8-	1.2-
.2	13.7	11.7-	39.1-	45.0	0	39.1-	11.7-	.6
.3	17.0	16.0-	50.0-	43.6	0	50.0-	16.1-	.8
.3	20.4	19.0-	59.8-	43.6	0	59.8-	19.0-	1.0
.0	24.0	20.5-	68.5-	43.8	0	68.5-	20.5-	1.0
.0	28.2	23.9-	80.3-	42.1	0	80.2-	24.0-	2.4
.0	36.3	30.3-	103.	40.7	0	102.	30.7-	3.5
.0	43.6	36.2-	123.	40.1	0	123.	36.6-	7.4
.0	51.3	42.5-	145.	39.8	0	144.	43.3-	9.2
.0	64.8	53.9-	184.	40.3	0	183.	54.8-	10.5
.0	.0	.0	.0	.0	0	.0	.0	.0
.1	4.7	3.6	5.7-	88.3	0	1.3-	.7-	4.0-
.0	11.1	12.4	9.8-	88.2-	0	2.0	.6	11.1-
.3	16.0	10.9	41.1-	83.6	0	8.6-	1.5-	15.6-
.3	32.3	47.6	17.1-	83.4-	0	22.6	7.9	31.5-
.4	28.7	52.1	5.3-	78.2-	0	34.9	11.9	26.3-
.2	27.3	59.4	4.7	71.2-	0	48.7	15.3	41.6-
.4	33.2	15.1-	81.5-	27.4	0	75.4-	21.2-	19.2
.5	40.1	238.	34.5	67.4-	0	208.	64.1	71.6-

SEE 2
PG 3-252

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PG 3-252

SEE 2
PG 3-252

- CONTINUED -

CALC	E. GIBSON 3/26/62	REVISED	DATE	MAXIMUM SHEAR STRESS & PRINCIPAL STRESSES DS LEADING EDGE PANELS PANEL NO. 25-20378	DS
CHECK	CRAB 3-5-62				EWA 5617
APP	CLARK 3/6/62				
APP	VRP 3/9/62			THE BOEING COMPANY D2-80085	3-265

Vol. III

1

ENA	TEST	LOAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN	T
5617	3	900	4	.0	3.0	.5	7.6	8.8	6.3	8
5617	3	1000	4	.0	.7-	.2	3.2	3.7	1.7	8
5617	3	1200	4	.0	10.1-	.2	27.0	28.4	27.4	8
5617	3	1400	4	.0	9.6-	.4	26.8	27.6	25.8	8
5617	3	1600	4	.0	7.0-	.8	20.3	23.3	18.3	8
5617	3	2000	4	.0	2.6-	1.1	8.8	11.5	6.0	8
5617	3	40	5	.0	.0	.0	.0	.0	.0	2
5617	3	100	5	.0	.0	.0	.0	.0	.0	2
5617	3	200	5	.0	.0	.2-	.4	.1-	.9-	2
5617	3	300	5	.1	.5-	.9-	1.4	.6-	3.4-	5
5617	3	400	5	.0	1.1-	1.2-	2.5	2.0-	7.1-	5
5617	3	500	5	.0	1.6-	2.6-	3.6	3.0-	10.3-	5
5617	3	600	5	.0	2.1-	3.5-	4.9	4.0-	13.8-	5
5617	3	700	5	.1-	2.8-	4.3-	6.0	5.2-	17.2-	5
5617	3	800	5	.2-	3.4-	5.1-	7.0	6.5-	20.5-	5
5617	3	900	5	.3-	4.0-	6.1-	8.2	6.0-	24.5-	5
5617	3	1000	5	.4-	4.6-	7.0-	9.4	9.4-	28.2-	5
5617	3	1200	5	.5-	5.7-	8.4-	11.3	11.3-	34.0-	5
5617	3	1400	5	.7-	6.5-	9.4-	12.5	13.1-	38.2-	5
5617	3	1600	5	1.1-	7.0-	9.6-	12.5	14.7-	39.7-	5
5617	3	2000	5	2.6-	7.8-	8.5-	10.2	18.1-	38.4-	6
5617	3	40	6	.0	.0	.0	.0	.0	.0	4
5617	3	100	6	.0	.0	.0	.0	.0	.0	4
5617	3	200	6	.5-	.1-	.2	1.0	.2	1.7-	4
5617	3	300	6	1.6-	.0	.3	3.1	.1-	6.5-	2
5617	3	400	6	2.7-	.1	2.5	7.1	6.6	7.6-	4
5617	3	500	6	3.8-	.4	3.0	10.6	10.8	10.3-	4
5617	3	600	6	5.0-	.7	5.3	14.2	14.9	13.4-	4
5617	3	700	6	6.4-	.9	6.6	17.9	18.4	17.4-	4
5617	3	800	6	7.7-	1.2	8.2	21.9	23.2	20.7-	4
5617	3	900	6	9.2-	1.4	9.7	26.1	27.3	24.8-	4
5617	3	1000	6	11.0-	1.6	11.4	30.9	31.9	29.9-	4
5617	3	1200	6	14.6-	2.1	15.0	40.9	41.9	39.8-	4
5617	3	1400	6	19.0-	2.8	19.1	52.7	53.0	52.5-	4
5617	3	1600	6	23.5-	3.1	22.9	64.2	62.7	65.7-	4
5617	3	2000	6	31.7-	3.9	29.1	84.5	77.6	91.1-	4
5617	3	40	7	.0	.0	.0	.0	.0	.0	2
5617	3	100	7	.1-	.1-	.1-	.0	.5-	.5-	2
5617	3	200	7	.5	.5	.1	.8	4.3	.8	2
5617	3	300	7	1.9	1.6	1.1	1.1	8.8	6.5	3
5617	3	400	7	3.2	3.0	2.0	2.0	15.2	11.2	2
5617	3	500	7	5.4	4.4	3.1	3.2	24.6	18.4	4
5617	3	600	7	7.1	5.8	4.2	4.0	32.7	24.7	4
5617	3	700	7	9.1	7.4	5.4	5.1	42.0	31.8	4
5617	3	800	7	11.4	9.1	6.8	6.3	52.6	40.0	4
5617	3	900	7	14.5	11.3	8.2	8.6	66.3	49.1	4
5617	3	1000	7	18.2	13.9	9.5	11.9	82.3	58.5	4
5617	3	1200	7	25.0	18.1	11.5	13.5	111.	74.3	4
5617	3	1400	7	33.7	23.5	13.6	27.5	148.	92.7	4
5617	3	1600	7	42.5	28.9	15.4	37.1	184.	110.	4
5617	3	2000	7	52.7	37.5	17.4	48.8	227.	129.	4
5617	3	40	8	.0	.0	.0	.0	.0	.0	2
5617	3	100	8	.1-	.0	.0	.2	.0	.4-	2
5617	3	200	8	.0	.2-	.5-	.7	.6-	2.0-	3

△ OPEN ; NO DATA.

FOR INFORMATION ON COLUMN HEADINGS
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- CONTINUED -

NAME	E. GIBSON	DATE	2/26/62
TEST	CRAM 3-562		
TIME	Close 3/6/2		
TIME	VRP 3/9/2		

US 5501 5000

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9/3/63

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T MAX	F MAX	F MIN	THETA	FA	FC	TC
7.6	8.8	6.3	2.4	0	2.0	7.3
3.2	3.7	1.7	86.8	0	.8	3.4
27.8	28.4	27.4	89.7	0	.8	27.7
36.8	27.8	25.8	89.4	0	1.5	26.4
30.3	22.3	18.3	84.5	0	3.1	20.3
8.8	11.5	6.0	85.0	0	4.3	8.8
.0	.0	.0	.0	0	.0	.0
.0	.0	.0	.0	0	.0	.0
.4	.1	.9	22.5	0	.2	.3
1.4	.6	3.4	50.6	0	.7	.3
2.5	2.0	7.1	51.3	0	2.1	.5
3.6	3.0	10.3	51.5	0	3.0	.8
4.9	4.0	13.8	50.6	0	4.1	1.0
6.0	5.2	17.2	53.0	0	5.4	1.6
7.0	6.5	20.5	53.5	0	6.8	2.0
8.2	8.0	24.5	52.7	0	8.3	2.2
9.4	9.4	28.2	52.6	0	9.8	2.5
11.3	11.3	34.0	53.8	0	11.8	3.4
12.5	13.1	38.2	54.2	0	13.8	4.0
12.5	14.7	39.7	55.6	0	15.6	4.3
10.2	18.1	38.4	63.7	0	20.1	6.2
.0	.0	.0	.0	0	.0	.0
.0	.0	.0	.0	0	.0	.0
1.0	.2	1.7	40.9	0	1.7	.1
3.1	.1	6.5	27.8	0	5.9	1.8
7.1	6.6	7.6	42.8	0	7.6	.3
10.6	10.6	10.3	42.4	0	10.3	1.0
14.2	14.9	13.4	41.9	0	13.3	1.3
17.9	18.4	17.4	41.5	0	17.3	2.2
21.9	23.2	20.7	41.6	0	20.5	2.6
26.1	27.3	24.8	41.5	0	24.6	3.1
30.9	31.9	29.9	41.4	0	29.7	3.8
40.9	41.9	39.8	41.3	0	39.5	5.2
52.7	53.0	52.5	40.9	0	51.9	7.5
64.2	62.7	65.7	40.8	0	63.1	9.3
84.5	77.8	91.1	40.1	0	89.9	14.2
.0	.0	.0	.0	0	.0	.0
.0	.5	.5	.0	0	.5	.0
.8	4.3	.8	24.5	0	2.1	.3
1.1	6.8	6.5	38.0	0	8.7	.3
2.0	15.2	11.2	28.1	0	14.9	1.1
3.2	24.8	18.4	41.3	0	24.8	.4
4.0	32.7	24.7	42.0	0	32.7	.4
5.1	42.0	31.8	42.7	0	41.9	.4
6.3	52.6	40.0	45.0	0	52.6	.0
8.6	66.3	49.1	45.5	0	66.3	.1
11.9	82.3	58.5	44.7	0	82.3	.1
18.5	111.	74.3	45.6	0	111.	.4
27.5	148.	92.7	45.4	0	148.	.4
37.1	184.	110.	45.1	0	184.	.1
48.8	227.	120.	41.0	0	227.	.7
.0	.0	.0	.0	0	.0	.0
.2	.0	.4	22.5	0	.4	.1
.7	.6	2.0	39.3	0	.6	.1

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PG 3-252

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- CONTINUED -

CALC	E. GIBSON	2/26/62	REVISED	DATE	MAXIMUM SHEAR STRESS & PRINCIPLE STRESSES DS LEADING EDGE PANELS PANEL NO. 25-20378 THE BOEING COMPANY SEATTLE, WASHINGTON DC-80085	DS
CHECK	CRAM	3-5-62				EWA
APPR	Cholera	3/1/62				5617
APPR	VRR	3/9/62				PAGE 3-266

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ENA	TEST	LOAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	3	300	8	.5	.9-	2.0-	3.4	.4-	7.3-
5617	3	400	8	1.0	1.6-	3.6-	6.3	.3-	13.0-
5617	3	500	8	1.5	2.5-	5.4-	9.6	.3-	19.5-
5617	3	600	8	2.1	3.3-	7.1-	12.8	.1	25.5-
5617	3	700	8	2.9	4.1-	9.0-	16.5	1.0	32.0-
5617	3	800	8	4.0	5.0-	11.2-	21.2	2.8	39.5-
5617	3	900	8	5.5	5.6-	13.5-	26.4	6.0	46.7-
5617	3	1000	8	7.5	6.5-	16.2-	33.0	10.9	55.1-
5617	3	1200	8	11.0	7.8-	21.1-	44.6	18.9	70.3
5617	3	1400	8	15.9	9.4-	27.0-	59.7	31.5	87.9
5617	3	1600	8	20.9	11.1-	33.5-	75.6	43.6	108.
5617	3	2000	8	30.0	13.8-	44.4-	103.	65.8	140.
5617	3	40	9	.0	.0	.0	.0	.0	.0
5617	3	100	9	.0	.0	.0	.0	.0	.0
5617	3	200	9	.0	.1-	.0	.3	.3	.3-
5617	3	300	9	1.0-	.6-	.1	1.3	.7-	3.8-
5617	3	400	9	2.6-	1.5-	.2	3.9	4.2-	10.0-
5617	3	500	9	5.0-	2.9-	.2	7.3	5.0-	19.5-
5617	3	600	9	7.0-	4.5-	.0	10.0	7.8-	27.2-
5617	3	700	9	9.9-	6.4-	.1-	14.0	11.5-	39.4-
5617	3	800	9	12.5-	8.3-	.1-	17.8	14.2-	49.9-
5617	3	900	9	14.3-	9.4-	.1-	20.3	16.3-	57.0-
5617	3	1000	9	15.8-	10.4-	.1-	22.5	17.9-	62.9-
5617	3	1200	9	18.7-	.0	.0	36.2	11.3	83.8
5617	3	1400	9	19.4-	.0	.4	37.6	10.7	85.9
5617	3	1600	9	19.6-	.0	.6	38.0	10.3	86.3
5617	3	2000	9	23.2-	.0	1.0	45.0	11.5	101.
5617	3	40	10	.0	.0	.0	.0	.0	.0
5617	3	100	10	.0	.0	.1-	.2	.0	.4-
5617	3	200	10	.0	.2	.3-	1.0	.3	1.8-
5617	3	300	10	1.0	.7	.5-	2.4	3.7	1.1-
5617	3	400	10	2.7	1.6	.5-	4.6	10.2	1.0
5617	3	500	10	4.6	2.9	.5-	7.4	17.8	3.1
5617	3	600	10	6.7	4.7	.0	9.9	26.9	7.1
5617	3	700	10	9.1	6.6	.0	13.7	36.8	9.5
5617	3	800	10	11.6	8.3	.1	17.1	46.9	12.6
5617	3	900	10	13.9	9.7	.1	20.3	55.9	15.3
5617	3	1000	10	15.6	10.6	.0	22.7	62.4	17.0
5617	3	1200	10	18.7	12.1	.2-	27.0	74.1	20.0
5617	3	1400	10	20.3	12.5	1.0-	30.2	79.3	18.9
5617	3	1600	10	21.1	13.0	1.5-	32.2	82.0	17.7
5617	3	2000	10	26.3	16.0	2.4-	40.8	107.	19.9
5617	3	40	11	.0	.0	.0	.0	.0	.0
5617	3	100	11	.0	.0	.0	.0	.0	.0
5617	3	200	11	.4	.1	.3	.7	4.5	1.1
5617	3	300	11	1.1	1.0	1.0	.2	5.5	5.1
5617	3	400	11	2.8	2.4	2.0	1.1	13.3	11.1
5617	3	500	11	4.5	4.0	3.1	2.0	21.3	17.3
5617	3	600	11	6.2	5.8	4.4	2.8	29.8	24.1
5617	3	700	11	8.3	7.8	6.0	3.6	40.0	32.7
5617	3	800	11	10.8	10.0	7.2	4.5	51.8	42.8
5617	3	900	11	13.9	12.1	9.9	5.5	66.0	55.0
5617	3	1000	11	17.1	16.1	12.0	8.2	82.2	65.8
5617	3	1200	11	22.4	20.7	15.3	11.0	107.	84.9

▷ SHORT ; NO DATA

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CONTINUED	
NAME	GIBSON 2/26/62
CHECK	CRAM 3-5-62
APPR	Chapman 3/6/62
APPR	WRR 3/9/62

C	T MAX	F MAX	F MIN	THETA	FA	FC	TC
0.0	3.4	.4	7.3	48.4	0	.4	7.2
0.6	6.3	.3	13.0	48.7	0	.3	12.9
0.4	9.6	.3	19.5	49.5	0	.5	19.4
1.1	12.8	.1	25.5	49.9	0	.1	25.3
0.0	16.5	1.0	32.0	50.0	0	.8	31.8
0.2	21.2	2.8	39.5	50.2	0	2.5	39.1
0.5	26.4	6.0	46.7	49.8	0	5.7	46.4
0.2	33.0	10.9	55.1	50.1	0	10.3	54.6
0.1	44.6	18.9	70.3	49.9	0	18.3	69.6
0.0	59.7	31.5	87.9	50.1	0	30.5	87.0
0.5	75.4	43.6	108.0	50.0	0	42.5	107.0
0.4	103.0	66.0	140.0	50.0	0	65.3	138.0
0.0	.0	.0	.0	.0	0	.0	.0
0.0	.0	.0	.0	.0	0	.0	.0
0.0	.3	.3	.3	90.0	0	.0	.3
0.1	1.5	.7	3.8	52.6	0	3.8	.8
0.2	3.9	2.2	10.0	51.0	0	9.9	2.3
0.2	7.3	5.0	19.5	50.4	0	19.3	5.1
0.0	10.0	7.8	27.8	53.0	0	27.4	8.2
0.1	14.0	11.5	39.4	53.0	0	38.8	12.0
0.1	17.8	14.2	49.9	53.9	0	49.0	15.0
0.1	20.3	16.3	57.0	53.6	0	56.0	17.2
0.1	22.5	17.9	62.9	53.7	0	61.9	18.9
0.0	36.2	11.3	83.8	22.5	0	73.2	21.9
0.4	37.6	10.7	85.9	23.1	0	75.4	21.2
0.6	38.0	10.3	86.3	23.4	0	76.0	20.6
1.0	45.0	11.5	101.0	23.7	0	85.6	23.3
0.0	.0	.0	.0	.0	0	.0	.0
0.1	.2	.0	.4	22.5	0	.1	.4
0.3	1.0	.3	1.8	11.6	0	.3	1.2
0.5	2.4	3.7	1.1	29.5	0	3.3	.8
0.5	4.6	10.2	1.0	36.3	0	10.0	1.2
0.5	7.4	17.8	3.1	35.8	0	17.4	3.4
0.0	9.9	26.9	7.1	34.0	0	26.2	7.9
0.0	13.7	36.8	9.5	32.9	0	35.6	10.7
0.1	17.1	46.9	12.6	33.5	0	45.5	14.0
0.1	20.3	55.9	15.3	34.3	0	54.5	16.7
0.0	22.7	62.4	17.0	35.1	0	61.0	18.3
0.2	27.0	74.1	20.0	36.6	0	72.9	21.2
1.0	30.2	79.3	18.9	37.5	0	78.2	19.9
1.5	32.2	82.0	17.7	37.1	0	80.8	18.9
2.4	40.8	102.0	19.9	37.1	0	100.0	21.5
0.0	.0	.0	.0	.0	0	.0	.0
0.0	.0	.0	.0	.0	0	.0	.0
0.3	.7	2.5	1.1	84.3	0	1.9	1.6
1.0	.2	5.5	5.1	67.5	0	5.5	5.2
2.0	1.1	13.3	11.1	45.0	0	13.3	11.1
3.1	2.0	21.3	17.3	37.0	0	21.2	17.4
4.4	2.8	29.8	24.1	30.5	0	29.4	24.5
6.0	3.6	40.0	32.7	30.3	0	39.5	33.2
7.8	4.5	51.8	42.8	32.5	0	51.4	43.2
9.9	5.5	66.0	55.0	42.1	0	66.0	55.0
12.0	8.2	82.2	65.8	29.3	0	81.0	67.0
15.3	11.0	107.0	84.9	31.2	0	106.0	86.1

SEE 2
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SEE 2
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CONTINUED	MAXIMUM SHEAR STRESS & PRINCIPAL STRESS	DS
ENG. E. GIBSON 3/25/62	DS LEADING EDGE PANELS	EWA 5617
CHIEF CROM 3/3/62	PANEL 25-20378	3-267
APPR. CLOVER 3/6/62	THE BOEING COMPANY	D2-80085
APPR. VRR 3/9/62		Vol. III

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EWA	TEST	LOAD	GAGE	SA	SB	SC	T MAX	F MAX	F MIN
5617	3	1400	11	28.5	25.9	18.6	15.0	135	105
5617	3	1600	11	34.5	30.6	21.4	19.3	161	123
5617	3	2000	11	44.2	37.6	25.0	27.5	204	148
5627	3	40	12	.0	.0	.0	.0	.0	.0
5627	3	100	12	.0	.0	.1	.2	.0	.4
5627	3	200	12	.2	.1	.5	1.0	.2	1.7
5627	3	300	12	.5	.6	1.5	2.8	.2	5.3
5627	3	400	12	.9	1.5	3.1	5.6	.0	11.2
5627	3	500	12	1.2	2.6	5.1	8.8	1.1	18.7
5627	3	600	12	1.7	3.1	7.1	12.1	1.6	25.8
5627	3	700	12	2.5	4.9	9.5	16.9	.9	34.7
5627	3	800	12	3.4	6.1	12.4	22.1	.8	45.0
5627	3	900	12	5.0	7.6	15.5	28.8	4.1	55.5
5627	3	1000	12	6.5	9.1	19.0	35.8	4.0	67.6
5627	3	1200	12	9.1	11.9	25.5	48.4	6.8	90.1
5627	3	1400	12	12.0	14.6	32.3	61.0	10.3	113
5627	3	1600	12	15.0	17.4	38.6	75.0	15.0	135
5627	3	2000	12	20.2	20.7	48.7	94.0	23.5	168

FOR INFORMATION ON COLUMN HEADINGS SEE PG. 3-252

0000 1000 5000

270

9/3/63

CALC	E. GIBSON	2/5/62
CHECK	CRAM	3-5-62
APPR	Cholera	3/5/62
APPR	VLP	3/5/62

US 421-100

2

SC	T MAX	F MAX	F MIN	THETA		FA	PC	TC	
		135.	105.	32.3-	0	133.	106.	8.4	SEE 2 PG 3-252
18.6	15.0	161.	123.	34.0-	0	140.	124.	7.3	
21.4	19.3	204.	148.	36.3-	0	202.	150.	6.2	
25.0	27.5				0	.0	.0	.0	
.0	.0	.0	.0	.0	0	.1-	.4-	.1	
.1-	.2	.0	.4-	22.5-	0	.2	1.7-	.1	
.5-	1.0	.2	1.7-	40.9-	0	.2	5.3-	.3-	
1.5-	2.8	.2	5.3-	47.8-	0	.1-	11.1-	1.1-	
3.1-	5.6	.0	11.2-	50.6-	0	1.3-	18.5-	1.8-	
5.1-	8.8	1.1-	18.7-	50.8-	0	1.7-	25.8-	1.1-	
7.1-	12.1	1.6-	25.8-	47.6-	0	1.4-	34.2-	3.8-	
9.5-	16.9	.9-	34.7-	51.6-	0	1.2-	44.5-	4.4-	
12.4-	22.1	.8-	45.0-	50.7-	0	1.4	54.8-	6.4-	
15.5-	28.2	4.1	55.5-	51.5-	0	3.1	66.7-	7.8-	
19.0-	35.8	4.0	67.6-	51.3-	0				
25.5-	48.4	6.8	90.1	51.0-	0	8.7	89.1-	10.1-	SEE 2 PG 3-252
32.3-	61.0	10.3	113.	50.7-	0	9.0	112.	12.4-	
38.6-	75.0	15.0	135.	50.9-	0	13.4	133.	15.3-	
48.7-	94.0	23.5	165.	50.3-	0	21.9	167.	17.7-	

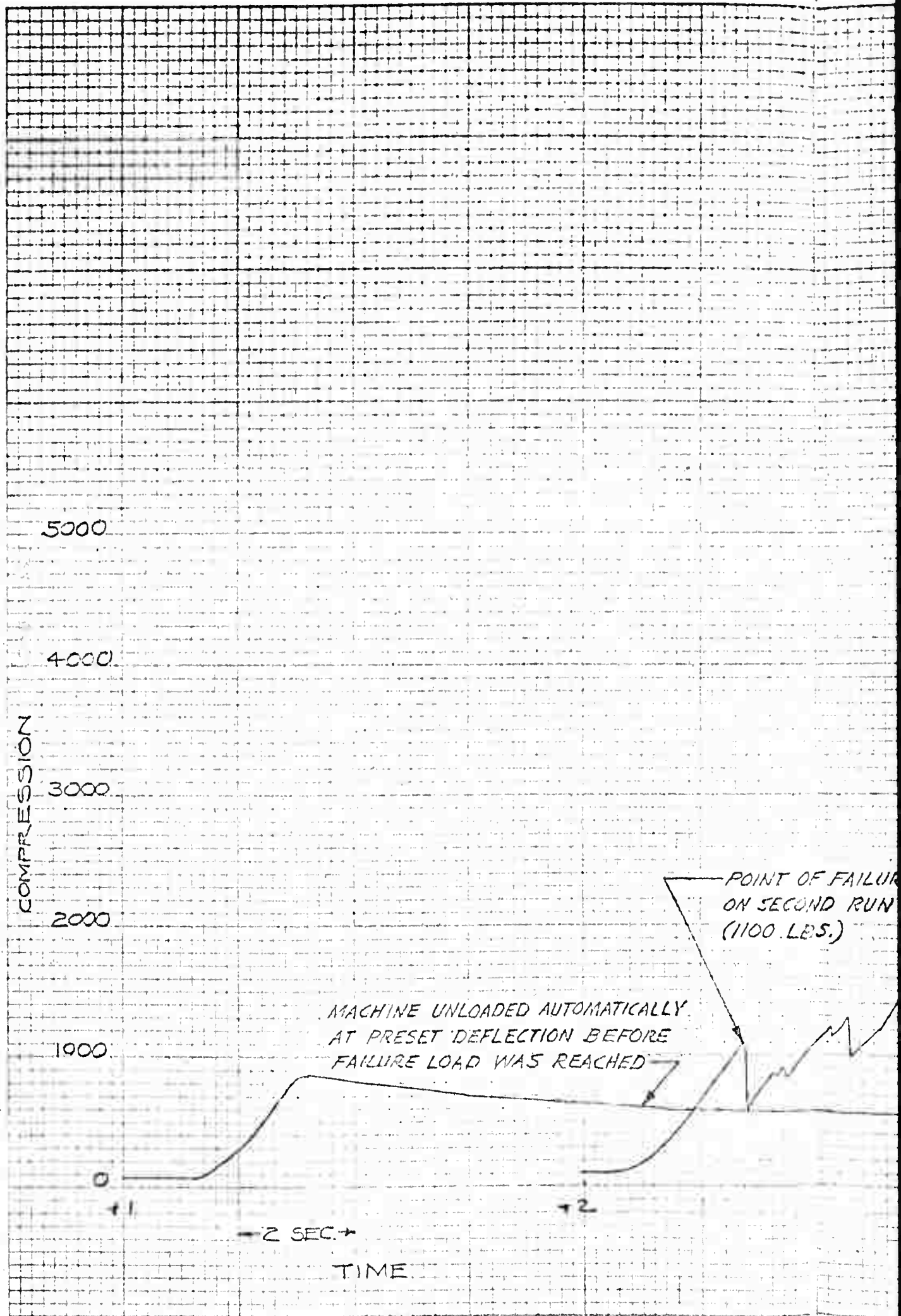
SEE 2
PG 3-252

SEE 2
PG 3-252

INGS SEE PG. 3-252

CALC	E. GIBSON	2/20/62	REVISAL	DATE	MAXIMUM SHEAR STRESS & PRINCIPAL STRESSES DS LEADING EDGE PANELS PANEL NO. 25-20378 THE BOEING COMPANY SEATTLE, WASH. D2-80035	DS
CHECK	CRAM	3-5-62				EWA
APPR	Chol	3/6/62				5617
APPR	VLR	3/9/62				PAGE 3-268.

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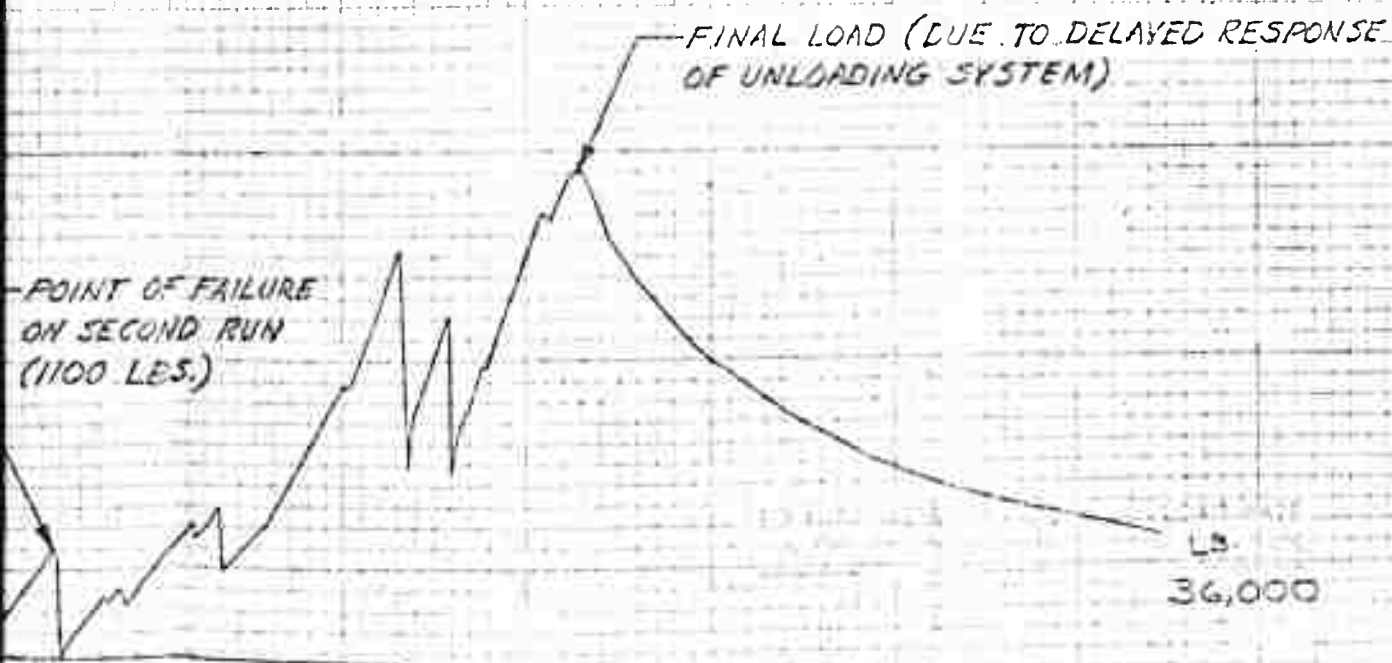


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2-5353-1-15

U3 4531 4600 REV. A 61



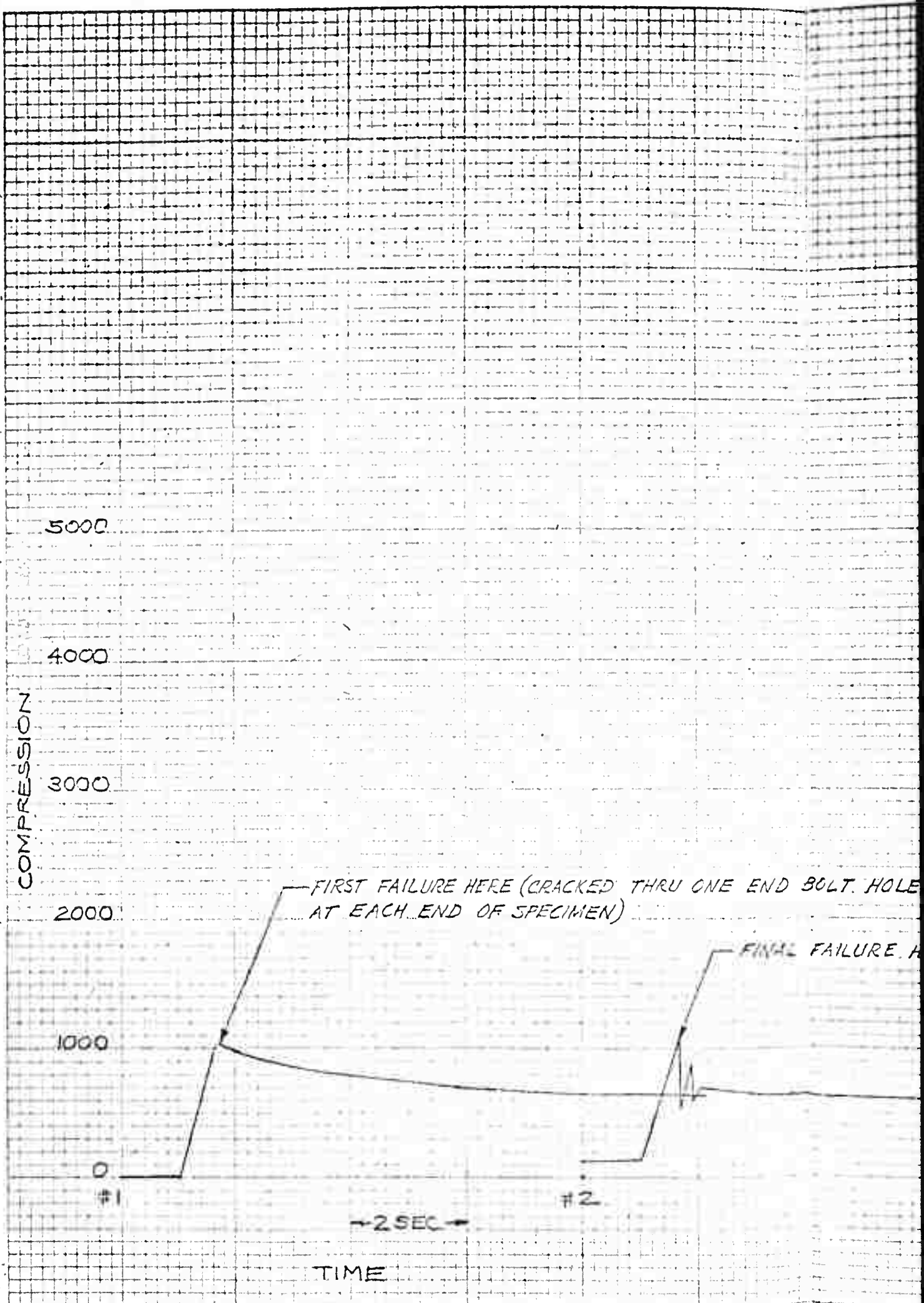
CALC H. P. H. 3/12/2 OPR H. P. H. 3/5/2

CHECK 2A 3/17/2 APPD

RAPID LOAD TEST - LEADING EDGE SPEC. 25-20341

SLML-62	ENR 5617 D2-80085
270	PAGE 3 - 369
U. A. T. 111	

1



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2-5353-1-15

— END BOLT HOLE

— FINAL FAILURE HERE

LOAD RATE
LB
#1 99,000
#2 90,000

CALC Kep. 3/2/61 OPR Kep. 3/7/61
CHECK EL 3/2/61 APPD

RAPID LOAD TEST-LEADING EDGE SPEC. 25-20376

1

Load in lbs	*	X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	Y-
1-75	V	-.004	-.024	-.017	-.021	-.027	-.028	-.021	-.023	-.027	-.02
	L	-.023	-.005	-.011	-.013	.011	.013	.011	.016	.003	-.0
2-75	V	-.015	-.020	-.037	-.013	-.017	-.023	-.017	-.023	-.011	-.0
	L	-.017	-.013	.003	-.008	.011	.008	.009	.013	.017	-.00
2-75	V	-.019	-.023	-.029	-.012	-.020	-.029	-.016	-.017	-.013	-.03
	L	-.021	-.017	-.004	-.004	.009	.012	.011	.012	.008	-.01
4-75	V	-.004	-.005	-.015	-.016	-.015	-.025	.011	-.016	-.020	-.01
	L	-.027	-.009	-.001	-.017	.011	.019	.019	.012	.007	-.01
5-85	V	-.003	-.007	-.005	-.004	-.009	-.023	-.007	-.012	-.007	-.01
	L	-.008	-.001	-.004	-.003	.003	.005	.004	.008	0	-.00
6-100	V	.016	.003	.011	.004	.009	.009	.016	.009	-.003	-.01
	L	-.021	-.019	-.021	-.004	.007	.023	.011	.021	.004	-.01
7-125	V	-.001	0	-.011	0	.007	-.011	-.009	-.007	.004	-.01
	L	-.025	-.023	-.011	-.017	.025	.020	.017	.027	.027	-.01
2-130	V	.008	.017	.005	.003	.007	-.008	.007	-.008	-.004	-.00
	L	-.020	-.015	-.016	-.013	.013	.019	.012	.019	.021	-.01
9-150	V	.003	.011	.012	.001	.013	-.005	0	-.009	-.016	.00
	L	-.037	-.027	-.024	-.016	.020	.027	.017	.021	.011	-.02
10-160	V	.011	.005	.019	.020	.015	-.004	.003	-.001	-.011	.00
	L	-.028	-.021	-.017	-.011	.011	.019	.009	.021	.003	-.01
11-175	V	.036	.030	.030	.024	.037	.011	.013	.009	.017	.01
	L	-.050	-.036	-.028	-.031	.031	.037	.036	.027	.028	-.03
12-185	V	.017	.024	.028	.019	.033	.011	.021	.016	0	.01
	L	-.020	-.016	-.011	-.013	.008	.001	-.004	.001	-.007	-.00
13-200	V	.030	.030	.030	.030	.047	.016	.017	.012	.017	.02
	L	-.035	-.020	-.023	-.033	.019	.015	.013	.019	.009	-.02
14-250	V	.028	.036	.041	.035	.040	.019	.028	.015	.013	.03
	L	-.023	-.020	-.012	-.015	.015	.012	.016	.015	-.001	-.01
15-275	V	.023	.044	.048	.048	.059	.016	.031	.013	.003	.03
	L	-.045	-.036	-.031	-.035	.017	.020	.016	.013	-.009	-.01
16-290	V	.032	.044	.051	.052	.059	.033	.033	.020	.015	.03
	L	-.036	-.025	-.016	-.019	.021	.019	.007	.008	.007	-.02

Colo	DeRoc	4-5-62	REVISED	DATE	RAPID LOAD TEST NO. 1, 1ST CYCLE ON PAGE 11, TPR SLML-62-228 SPEC. NO. 25-20341 THE BOEING COMPANY D2-80085 SEATTLE 14, WASHINGTON Vol. III	DS	* V = VE L = LA
Troc	ERD	5-10-2				EWA	
Chk.						5-617	
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Appr						3-271	

U3 4011 3000 9/3/63

2

	X-18	X-20	Y-8	Y-11	Y-14	Z-1	Z-3	Z-5	Z-9	Z-10	Z-13	Z-17	Z-19	Z-21
	-0.023	-0.027	-0.023	-0.027	-0.026	-0.020	-0.045	-0.032	-0.024	-0.029	-0.021	-0.021	-0.027	-0.024
	.016	.003	-0.014	-0.003	.011	-0.012	-0.014	-0.015	-0.009	-0.015	.012	.020	.015	.015
	-0.023	-0.011	-0.016	-0.030	-0.024	-0.018	-0.045	-0.020	.003	-0.020	-0.017	-0.027	-0.023	-0.017
	.013	.017	-0.006	-0.010	.010	-0.005	-0.015	-0.020	-0.011	-0.012	.012	.014	.011	.018
	-0.017	-0.013	-0.030	-0.018	-0.027	-0.009	-0.014	-0.020	-0.003	-0.015	-0.020	-0.017	-0.017	-0.008
	.012	.008	-0.015	-0.001	.006	-0.014	-0.020	-0.017	-0.002	-0.018	.014	.014	.011	.017
	-0.016	-0.020	-0.016	-0.014	-0.018	-0.012	-0.027	-0.023	-0.011	-0.006	-0.009	-0.030	-0.006	-0.023
	.012	.007	-0.010	-0.003	.011	-0.012	-0.015	-0.018	-0.014	-0.015	.014	.023	.020	.021
	-0.012	-0.007	-0.017	-0.006	-0.021	-0.005	-0.027	-0.009	-0.003	-0.009	-0.005	-0.014	-0.014	-0.009
	.008	0	-0.009	.003	.003	-0.005	-0.011	0	.007	-0.009	.011	.012	.005	.014
	.009	-0.003	-0.013	0	-0.001	.003	-0.009	-0.008	.005	0	.002	0	0	.006
	.021	.004	-0.013	-0.009	.013	-0.008	-0.012	-0.017	-0.003	-0.014	.020	.021	.017	.014
	-0.007	.004	-0.013	.001	-0.014	-0.005	-0.014	-0.002	0	-0.003	-0.003	0	-0.015	-0.015
	.027	.027	-0.017	-0.013	.021	-0.011	-0.032	-0.020	.002	-0.021	.024	.024	.017	.024
	-0.008	-0.004	-0.001	.009	-0.004	-0.012	-0.014	-0.006	.014	.005	-0.007	-0.005	-0.011	-0.002
	.019	.021	-0.013	-0.009	.013	-0.011	-0.026	-0.014	-0.014	-0.021	.021	.021	.021	.023
	-0.009	-0.016	.004	.010	-0.011	-0.002	-0.012	0	.020	.006	-0.011	-0.012	-0.012	-0.008
	.021	.011	-0.026	-0.018	.020	-0.027	-0.030	-0.024	-0.014	-0.030	.027	.030	.023	.024
	-0.001	-0.011	.003	.014	-0.003	-0.002	-0.015	.005	.014	.012	.006	-0.009	-0.005	0
	.021	.003	-0.011	-0.017	.018	-0.014	-0.029	-0.021	-0.026	-0.018	.023	.024	.012	.021
	.009	.017	.014	.023	.010	.011	.005	.020	.035	.029	.015	.005	-0.002	.012
	.027	.028	-0.036	-0.031	.034	-0.033	-0.035	-0.033	-0.033	-0.027	.041	.041	.041	.036
	.016	0	.018	.026	.010	-0.002	.008	.014	.020	.026	.005	.009	.009	.005
	.001	-0.007	-0.009	-0.004	-0.001	-0.011	-0.014	-0.008	-0.005	-0.015	.005	.005	.002	.006
	.012	.017	.028	.040	.017	.011	.008	.020	.083	.036	.018	.018	.005	.006
	.019	.009	-0.027	.020	.007	-0.033	-0.029	-0.015	-0.020	-0.032	.017	.027	.020	.020
	.015	.013	.031	.037	.018	.014	.008	.026	.041	.054	.018	.011	-0.005	.011
	.015	-0.001	-0.018	.003	.006	-0.021	-0.021	-0.009	-0.009	-0.020	.014	.020	.015	.014
	.013	.003	.031	.047	.023	.006	.018	.035	.039	.048	.026	.018	.009	.012
	.013	-0.009	-0.024	-0.026	.017	-0.032	-0.027	-0.023	-0.027	-0.023	.020	.029	.027	.023
	.020	.015	.033	.060	.033	.023	.015	.038	.039	.057	.033	.017	.012	.006
	.008	.007	-0.028	-0.017	.009	-0.024	-0.033	-0.015	-0.017	-0.021	.009	-0.027	.029	.017

FILE	DS
3	EWA
	5-617
5	PAGE
1	3-271

* V = VERTICAL DEFL.
L = LATERAL " "

DATA SHEET

NOTE: This data gives the deflection in inches of the points indicated. Location of points is in accordance with Attachment 1, C.S. 2-5526-3-252. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

1

Lead in lbs	*	X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	Y-0
12-310	V	.045	.049	.057	.059	.072	.027	.044	.021	.021	.05
	L	-.030	-.023	-.009	-.023	.015	.004	.004	.001	-.001	-.02
14-350	V	.039	.053	.060	.068	.084	.041	.047	.029	.020	.05
	L	-.037	-.021	-.012	-.027	.013	.005	.005	.005	.003	-.01
16-375	V	.043	.065	.067	.063	.096	.044	.049	.027	.024	.05
	L	-.048	-.045	-.025	-.028	.025	.017	.015	.019	.015	-.03
20-400	V	.059	.053	.069	.085	.101	.052	.048	.027	.023	.05
	L	-.032	-.029	-.028	-.033	.012	.007	.008	0	-.003	-.02
21-425	V	.055	.073	.089	.096	.111	.056	.067	.043	.012	.05
	L	-.032	-.020	-.011	-.020	.003	-.003	-.001	-.007	-.002	-.02
22-450	V	.056	.072	.082	.100	.118	.063	.071	.036	.027	.05
	L	-.051	-.052	-.027	-.032	.019	.007	.013	.004	-.005	-.03
23-475	V	.059	.072	.092	.097	.124	.060	.063	.037	.028	.05
	L	-.057	-.041	-.013	-.040	.009	-.001	.001	.001	-.011	-.02
24-500	V	.063	.081	.093	.108	.142	.073	.062	.048	.027	.05
	L	-.057	-.048	-.021	-.037	.017	.007	.008	.016	.007	-.03
25-550	V	.051	.076	.093	.106	.144	.067	.077	.048	.023	.10
	L	-.064	-.055	-.043	-.048	.013	0	.002	-.003	-.003	-.04
26-600	V	.057	.082	.110	.106	.161	.093	.086	.049	.041	.05
	L	-.055	-.045	-.033	-.025	.003	-.003	.001	-.002	-.013	-.05
27-650	V	.063	.082	.108	.137	.169	.086	.088	.049	.049	.12
	L	-.040	-.036	-.023	-.025	-.008	-.021	-.012	-.020	-.031	-.02
28-675	V	.076	.102	.130	.137	.190	.114	.105	.073	.041	.12
	L	-.052	-.040	-.029	-.044	-.003	-.008	-.001	-.019	-.021	-.03
29-700	V	.073	.1074	.126	.133	.194	.098	.109	.056	.052	.13
	L	-.055	-.043	-.031	-.029	-.003	-.019	-.008	-.012	-.019	-.02
30-725	V	.074	.105	.129	.138	.206	.105	.100	.065	.041	.13
	L	-.055	-.040	-.031	-.041	-.008	-.019	-.012	-.019	-.024	-.03
31-750	V	.096	.106	.136	.156	.218	.120	.124	.079	.055	.14
	L	-.060	-.059	-.037	-.037	-.005	-.019	-.007	-.021	-.024	-.04
32-800	V	.084	.098	.118	.148	.221	.117	.118	.077	.064	.15
	L	-.060	-.056	-.043	-.051	-.003	-.035	-.009	-.027	.001	-.02

Cold	DeRoco	4-5-62	REVISED	DATE	RAPID LOAD TEST NO. 1, 1ST CYCLE ON PAGE 11, TPR SLML-62-228 SPEC. NO. 25-20341 THE BOEING COMPANY D2-80085 SEATTLE 14, WASHINGTON Vol. III	DS
Troc	EDC	5-10-62				EWA
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* V = VE
L = LA

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X-18	X-20	Y-8	Y-11	Y-14	Z-1	Z-3	Z-5	Z-9	Z-10	Z-13	Z-17	Z-19	Z-21
.021	.021	.053	.070	.033	.024	.021	.038	.076	.068	.036	.033	.015	.020
.001	-.001	-.020	-.013	.004	-.020	-.027	-.006	-.012	-.024	.008	.024	.009	.015
.029	.020	.053	.081	.050	.027	.018	.048	.083	.086	.047	.030	.027	.047
.005	.003	-.016	-.017	.010	-.012	-.030	-.009	-.018	-.027	.011	.020	.012	.017
.027	.024	.050	.081	.037	.026	.026	.059	.088	.097	.048	.030	.021	.018
.014	.015	-.034	-.023	.006	-.033	-.038	-.021	-.021	-.036	.018	.032	.018	.015
.027	.023	.057	.092	.047	.024	.033		.063	.103	.053	.042	.027	.020
0	-.003	-.028	-.011	.001	-.030	-.030		-.027	-.020	.012	.024	.008	.011
.043	.028	.085	.118	.057	.045	.035	.074	.098	.125	.062	.053	.041	.035
.007	-.008	-.023	-.011	-.004	-.023	-.032	-.002	-.014	-.018	-.003	.015	.003	-.002
.036	.027	.081	.125	.064	.039	.039	.086	.107	.116	.066	.050	.032	.018
.004	-.005	.037	-.023	.007	-.011	-.038	-.017	-.029	-.029	.018	.033	.012	.018
.037	.028	.068	.132	.061	.036	.033	—	.079	.125	.065	.053	.033	.021
.001	-.011	-.028	-.009	-.009	-.026	-.044	—	-.035	-.018	0	.027	.005	.005
.048	.027	.088	.151	.092	.042	.057	—	.109	.142	.099	.062	.042	—
.016	.007	.037	-.023	.009	-.048	-.048	—	-.032	-.033	.003	.036	.014	—
.048	.023	.100	.150	.091	.041	.045	—	.122	.139	.077	.071	.041	.018
.003	-.003	-.043	-.017	.004	-.044	-.045	—	-.035	-.021	.003	.033	.006	.012
.049	.041	.098	.169	.085	.041	.048	—	.123	.163	.092	.079	.057	.032
.008	-.013	-.037	0	-.006	-.038	-.047	—	-.029	-.012	-.006	.036	0	.003
.049	.049	.128	.176	.085	.041	.060	—	.137	.184	.095	.092	.053	.027
.020	-.031	-.027	.004	-.020	-.020	-.027	—	-.024	-.011	-.023	.017	-.017	-.014
.073	.041	.124	.192	.109	.068	.082	—	.172	.192	.104	.101	.062	.048
.019	-.021	-.031	0	-.018	-.033	-.041	—	-.014	-.017	-.015	.026	-.012	-.011
.056	.052	.138	.199	.104	.057	.086	—	.156	.217	.112	.101	.060	.054
.012	-.019	-.023	0	-.026	-.032	-.042	—	-.023	-.015	-.021	.024	-.011	-.006
.065	.041	.138	.213	.115	.060	.085	—	.162	.223	.117	.101	.068	.044
.019	-.024	-.031	-.007	-.021	-.026	-.032	—	-.038	-.006	-.024	.020	-.015	-.017
.070	.055	.148	.224	.125	.080	.101	—	.172	.228	—	.118	.083	.051
.021	-.024	-.043	-.001	-.017	-.041	-.045	—	-.036	-.017	—	.024	-.009	-.008
.077	.064	.152	.239	.124	.065	.085	—	.156	.242	.131	.115	.076	.048
.027	.001	-.057	.001	-.020	-.051	-.050	—	-.041	-.012	-.021	.023	-.008	-.015

DS
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* V=VERTICAL DEFL.
L=LATERAL "

DATA SHEET

NOTE: This data gives the deflection in inches of the points indicated. Location of points is in accordance with Attachment 1, C.S. 2-5526-3-252. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

1

Load in lbs	*	X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	Y-E
100	V	.020	.015	.019	.019	.008	.014	.014	.013	.044	.007
	L	.010	.006	.008	.001	-.005	0	-.005	-.008	.013	.005
110	V	.002	-.002	.001	.001	-.002	.008	.001	.006	.001	-.008
	L	-.005	-.002	.001	.001	.002	.005	.002	.006	.013	-.001
115	V	.032	.018	.015	.009	.010	.014	.012	.008	.024	.005
	L	.005	-.010	.004	-.001	0	.009	0	.010	.010	-.005
145	V	.023	.023	.006	.014	.009	.012	.014	.008	.024	.011
	L	.006	.001	.004	.001	.002	.006	-.002	.006	.009	.001
175	V	-.002	.002	.001	.012	.005	.006	-.001	.004	.009	0
	L	.005	0	.010	.002	-.004	-.002	-.005	.002	.006	.005
205	V	.009	.008	.012	.013	.013	.015	.010	.009	.002	-.001
	L	-.002	-.013	-.009	-.006	.009	.010	-.002	.005	0	-.004
235	V	.009	.017	.012	.017	.015	.009	.009	.008	.002	.011
	L	.004	.002	.012	.005	-.004	.006	-.001	-.001	0	.004
265	V	.001	.015	.009	.014	.017	.005	.006	-.001	-.006	-.001
	L	-.002	0	0	.001	.004	.005	.005	.002	0	.003
295	V	.001	.010	.009	.020	.006	.009	0	0	.018	0
	L	-.002	-.010	-.005	-.004	.002	.015	.005	.008	.008	-.005
325	V	.019	.032	.029	.034	.031	.029	.019	.023	.028	.014
	L	-.001	-.009	.001	-.002	.001	.006	.004	-.001	.006	-.003
355	V	.004	.020	.018	.029	.033	.032	.017	.008	-.004	.012
	L	-.004	-.004	0	-.006	.001	.005	-.002	.008	.002	.001
385	V	.014	.024	.024	.023	.041	.017	.019	.009	.017	.015
	L	.001	.001	.001	-.005	-.004	.006	-.001	.001	.004	.003
415	V	.034	.028	.042	.045	.057	.041	.034	.023	.032	.040
	L	-.005	-.012	-.002	-.006	.001	.005	-.001	.001	-.002	-.005
445	V	.029	.045	.047	.054	.060	.037	.036	.029	.036	.038
	L	-.009	-.015	-.009	-.018	.006	-.001	-.002	-.006	.012	-.007
475	V	.028	.041	.042	.051	.056	.032	.034	.020	.032	.057
	L	-.004	-.013	0	-.010	-.002	-.005	.005	-.006	0	-.003
505	V	.034	.054	.055	.063	.074	.045	.047	.032	.044	.052
	L	-.005	-.008	0	-.012	-.008	-.005	-.006	-.008	-.013	-.003

Calc	DeReco	5-2-62	REVISED	DATE	RAPID LOAD TEST NO. 1, 2ND CYCLE ON PAGE 12, TPR SLML-62-228 SPEC. NO. 25-20341	DS	* V = VER L = LAT
Trec	ERIC	5-10-62				EWA	
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Appr						PAGE	
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X-18	X-20	Y-8	Y-11	Y-14	Z-1	Z-3	Z-5	Z-9	Z-10	Z-13	Z-17	Z-19	Z-21
.013	.044	.007	.012	.016	.010	.012	.010	-.009	.009	.016	.016	.022	.006
.008	.013	.005	0	-.010	.004	.006	.010	-.012	.004	-.004	-.003	-.001	-.006
.006	.001	-.008	.008	.007	-.012	.007	-.003	-.025	-.007	.004	0	.004	.003
.006	.013	-.001	-.004	.003	-.001	-.003	0	-.001	-.007	.010	.003	.006	-.001
.008	.024	.005	.015	.015	.004	.019	.004	.001	.010	.016	.013	.013	.016
.010	.010	-.005	-.005	-.001	.001	-.003	.004	-.003	-.003	.004	.003	0	.004
.008	.024	.011	.014	.011	.007	.018	.009	.015	.006	.015	.007	.010	.012
.006	.009	.001	.001	.003	.004	.004	.009	.018	-.007	.009	.003	-.001	-.003
.004	.009	0	.007	.005	-.004	0	.003	.003	-.001	.003	.003	.009	.006
.002	.006	.005	0	0	.004	.003	.007	.010	-.004	.001	0	-.003	.006
.009	.002	-.001	.016	.007	.001	.019	.009	-.009	.003	.003	.004	.010	.009
.005	0	-.004	-.005	.004	0	0	-.001	-.006	-.010	.009	.004	.003	.004
.008	.002	.011	.011	.018	.009	.015	.013	.007	.020	.010	.012	.018	.013
.001	0	.004	.005	-.001	.006	.009	.006	.003	-.001	-.001	0	-.001	.007
.001	-.006	-.001	.018	.015	.007	.007	.003	.004	.010	.007	.006	.010	.004
.002	0	.003	-.008	.003	-.009	0	.001	-.007	-.003	.009	.009	.007	.009
0	.018	0	.015	.008	-.004	.001	.007	-.010	.009	.006	-.004	0	-.003
.008	.008	-.005	-.012	.003	-.006	-.003	-.006	-.007	-.009	.001	.013	.009	.006
.023	.028	.014	.038	.023	.018	.029	.024	-.001	.032	.028	.020	.025	.019
.001	.006	-.003	-.001	0	0	-.001	.001	.001	-.006	.001	.007	-.004	-.001
.008	-.004	.012	.032	.020	.007	.026	.022	.004	.040	.020	.009	.007	.018
.008	.002	.001	-.008	-.001	.001	-.006	.004	-.019	-.003	.003	.001	-.001	-.003
.009	.017	.015	.036	.020	.006	.015	.016	.015	.034	.016	.013	.018	.004
.001	.004	.003	-.004	-.008	.001	-.003	.001	-.006	.001	-.006	.004	.004	.001
.023	.032	.040	.056	.032	.018	.034	.038	.015	.057	.031	.028	.022	.024
.001	-.002	-.005	0	-.004	-.007	-.006	.001	-.013	-.006	-.001	.012	-.003	0
.029	.036	.038	.060	.040	.020	.040	.034	.024	.059	.038	.037	.029	.020
.006	.012	-.007	-.007	-.004	-.009	-.007	0	-.015	-.013	0	.013	.003	.006
.020	.032	.057	.068	.032	.016	.025	.037	.022	.066	.040	.026	.020	.015
.006	0	-.003	-.003	-.005	-.001	-.003	.007	-.016	-.066	-.004	.004	-.004	-.001
.032	.044	.052	.078	.057	.024	.040	.053	.048	.069	.050	.043	.034	.024
.008	-.013	-.003	0	-.010	-.003	.001	.009	-.015	-.006	-.007	.003	-.004	-.001

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*V=VERTICAL DEFL.
L=LATERAL "

DATA SHEET

NOTE: This data gives the deflections in inches of the points indicated. Location of points is in accordance with Attachment 1, C.S. 2-5526-3-252. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

1

Load in lbs	*	X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	V-8
535	V	.037	.055	.063	.065	.072	.046	.044	.033	.052	.059
	L	.010	.015	.013	.017	.001	.008	.005	0	.013	.008
565	V	.041	.049	.063	.063	.084	.044	.045	.032	.051	.053
	L	.006	0	.008	.002	.015	.013	.015	.017	.001	.005
595	V	.047	.063	.072	.074	.090	.056	.050	.040	.054	.064
	L	.015	.015	.012	.019	.001	.006	.002	.008	.014	.014
625	V	.050	.068	.077	.084	.105	.069	.058	.038	.046	.073
	L	.002	.002	.002	.006	.009	.013	.010	.014	.008	.008
655	V	.045	.073	.078	.087	.110	.059	.047	.041	.047	.074
	L	.017	.022	.012	.020	.004	.004	.006	.012	.009	.007
685	V	.047	.065	.077	.083	.116	.061	.056	.041	.047	.076
	L	.013	.022	.005	.013	.014	.015	.015	.023	.008	.010
715	V	.063	.082	.102	.105	.140	.076	.074	.056	.063	.096
	L	.010	.018	.012	.018	.005	.014	.009	.018	.013	.019
745	V	.051	.082	.090	.102	.137	.087	.069	.049	.057	.090
	L	.013	.024	.013	.026	.006	.012	.012	.019	.013	.019
775	V	.058	.077	.095	.097	.137	.082	.076	.049	.051	.088
	L	.015	.024	.014	.023	.005	.019	.013	.014	.001	.018
805	V	.063	.091	.110	.115	.157	.081	.082	.051	.052	.096
	L	.004	.015	.008	.020	.013	.018	.013	.029	.005	.025
835	V	.068	.096	.118	.128	.172	.096	.086	.063	.077	.105
	L	.015	.033	.018	.029	0	.020	.010	.015	.008	.038
865	V	.042	.090	.105	.106	.162	.079	.079	.054	.054	.100
	L	.027	.042	.029	.038	.004	.019	.006	.017	.006	.056
895	V	.069	.100	.123	.128	.183	.104	.101	.064	.065	.115
	L	.036	.041	.020	.045	.002	.018	.010	.010	.006	.049
925	V	.070	.101	.132	.136	.202	.116	.104	.072	.081	.125
	L	.033	.049	.029	.045	.004	.023	.014	.026	.004	.049
955	V	.063	.092	.125	.132	.198	.108	.100	.066	.068	.140
	L	.036	.046	.031	.050	.005	.026	.015	.022	.005	.049
985	V	.070	.095	.129	.138	.209	.111	.108	.072	.069	.123
	L	.037	.042	.031	.045	.008	.022	.013	.027	.001	.049

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Calc	DRG	5-26-2	REVISED	DATE	RAPID LOAD TEST NO. 1, 2ND CYCLE ON PAGE 12, TPR SLML-62-228 SPEC. NO. 25-20341	DS	*V=VERT L=LATE
Trac	EPH	5-10-2				EWA	
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X-18	X-20	Y-8	Y-11	Y-14	Z-1	Z-3	Z-5	Z-9	Z-10	Z-13	Z-17	Z-19	Z-21
.033	.052	.059	.084	.053	.028	.038	.060	.048	.019	.050	.044	.035	.025
0	.013	-.008	-.005	-.008	-.007	-.012	.004	-.013	-.009	-.004	.012	-.001	.004
.032	.051	.053	.092	.051	.028	.043	.051	.059	.091	.048	.041	.028	.028
-.017	-.001	-.005	.005	-.019	.004	.003	.006	-.001	.006	-.022	-.003	-.012	-.012
.040	.054	.064	.100	.049	.029	.046	.059	.043	.100	.056	.046	.034	.022
-.008	.014	-.014	0	-.008	-.016	-.015	.001	-.020	-.009	-.007	.019	.003	-.006
.038	.046	.073	.111	.066	.041	.057	.063	.059	.103	.060	.056	.038	.028
-.014	-.008	-.008	.001	-.019	-.004	-.003	.013	-.016	-.004	-.018	.007	-.018	-.009
.041	.047	.074	.119	.064	.032	.056	.070	.063	.109	.069	.056	.047	.019
-.012	-.009	-.007	-.005	-.012	-.010	-.019	-.001	-.020	-.010	-.009	.010	-.001	.001
.041	.047	.074	.123	.064	.028	.053	.075	.061	.115	.066	.056	.038	.031
-.023	-.008	-.010	-.003	-.027	-.007	-.003	.019	-.019	-.003	-.016	.006	-.017	-.012
.056	.063	.096	.140	.086	.048	.076	.097	.090	.144	.085	.076	.048	.046
-.018	-.013	-.019	-.005	-.014	-.013	-.013	.004	-.019	-.009	-.019	.013	-.015	-.006
.049	.057	.090	.142	.081	.041	.072	.098	.063	.150	.084	.074	.063	.038
-.019	-.013	-.019	0	-.016	-.016	-.012	-.003	-.031	-.012	-.020	.012	-.012	-.015
.049	.051	.088	.141	.082	.044	.068	.088	.084	.147	.086	.066	.057	.032
-.014	-.001	-.018	-.005	-.018	-.018	-.019	0	-.026	-.007	-.012	.007	-.013	-.012
.051	.058	.096	.164	.084	.050	.070	.094	.094	.160	.088	.078	.059	.037
-.029	-.005	-.025	.007	-.033	-.010	-.015	0	-.019	-.001	-.028	.009	-.016	-.018
.063	.077	.105	.178	.093	.059	.079	.101	.112	.181	.098	.085	.060	.044
-.015	-.008	-.038	-.003	-.022	-.019	-.020	-.007	-.040	-.012	-.019	.015	-.009	-.006
.054	.052	.100	.170	.081	.040	.070	—	.104	.179	.088	—	.051	.019
-.017	-.006	-.056	-.010	-.020	-.024	-.015	—	-.044	-.010	-.020	—	-.006	-.007
.064	.065	.115	.192	.101	.054	.096	—	.116	.194	.103	—	.069	.047
-.010	-.006	-.049	-.005	-.019	-.034	-.024	—	-.046	-.006	-.018	—	-.013	-.009
.072	.081	.125	.211	.111	.068	.104	—	.135	.216	.113	—	.076	.047
-.026	.004	-.049	-.007	-.027	-.028	-.032	—	-.037	-.015	-.025	—	-.016	-.006
.066	.068	.140	.215	.109	.063	.090	—	.138	.215	.107	—	.072	.050
-.022	.005	-.049	-.007	-.030	-.037	-.034	—	-.034	-.019	-.026	—	-.012	-.010
.072	.069	.123		.118	.065	.098	—	.131	.242	.118	—	.075	.046
-.027	.001	-.049		-.040	-.031	-.031	—	-.040	-.015	-.029	—	-.019	-.019

* V = VERTICAL DEFL.
L = LATERAL "

DATA SHEET

NOTE: This data gives the deflection in inches of the points indicated. Location of points is in accordance with Attachment 1, C.S. 2-5526-3-252. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

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Load in lbs.	*	X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	V
1015	V	.087	.116	.148	.160	.233	.127	.125	.084	.081	.14
	L	-.023	-.051	-.027	-.045	-.009	-.034	-.015	-.026	0	-.0
1045	V	.091	.119	.154	.162	.241	.132	.125	.084	.060	.14
	L	-.037	-.054	-.026	-.040	-.006	-.036	-.023	-.033	-.031	-.0
1075	V	.076	.113	.152	.152	.248	.142	.128	.086	.044	.14
	L	-.034	-.049	-.026	-.047	-.015	-.037	-.026	-.037	-.044	-.0
1105	V	.106	.140	.174	.180	.275	.148	.147	.097	.076	.17
	L	-.042	-.058	-.026	-.051	-.015	-.041	-.023	-.038	-.050	-.0
1135	V	.097	.129	.172	.177	.275	.147	.148	.101	.063	.17
	L	-.044	-.051	-.037	-.050	-.014	-.042	-.033	-.044	-.051	-.0
600	V	.040	.132	.219	.279	.385	.241	.165	—	.128	.2
	L	-.118	-.140	-.065	-.051	-.006	-.076	-.052	—	-.054	-.0
630	V	.040	.136	.230	—	.359	.238	.191	—	.174	.28
	L	-.140	-.141	-.074	—	.012	-.065	-.046	—	-.033	-.16
660	V	.045	.147	.246	—	.421	.252	.206	—	-.115	.31
	L	-.142	-.143	-.070	—	-.001	-.078	-.065	—	-.055	-.0
690	V	.044	.146	.252	—	.431	.265	.207	—	—	.31
	L	-.146	-.151	-.082	—	.001	-.079	-.061	—	—	-.09
720	V	.045	.143	.262	—	.449	.275	—	—	—	.33
	L	-.154	-.151	-.078	—	-.002	-.092	—	—	—	-.0
750	V	.040	.155	.262	—	.474	.292	.238	—	—	.34
	L	-.154	-.156	-.077	—	-.010	-.078	-.069	—	—	-.0
780	V	.040	.160	.264	—	.482	.300	.239	—	—	.34
	L	-.164	-.156	-.081	—	-.005	-.093	-.068	—	—	-.09
810	V	.045	.156	.280	—	.503	.316	.260	—	—	.35
	L	-.159	-.148	-.077	—	-.015	-.105	-.079	—	—	-.16
840	V	.050	.166	.278	—	.522	.332	.275	—	—	.37
	L	-.159	-.154	-.074	—	-.023	-.118	-.084	—	—	-.16
870	V	.059	.156	.279	—	.576	.357	.296	—	—	.39
	L	-.133	-.141	-.072	—	-.020	-.119	-.090	—	—	-.11
900	V	.050	.143	.275	—	.588	.358	.292	—	—	.39
	L	-.136	-.141	-.082	—	-.012	-.120	-.087	—	—	-.15

Calc	DeRocco	5-2-62	REVISED	DATE	RAPID LOAD TEST NO. 1, 2ND CYCLE ON PAGE 12, TPR SLML-62-228 SPEC. NO. 25-20341.	DS
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Chk.						PAGE
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* V = VE
L = LA

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X-18	X-20	Y-8	Y-11	Y-14	Z-1	Z-3	Z-5	Z-9	Z-10	Z-13	Z-17	Z-19	Z-21
.084	.081	.145	.249	.127	.085	.116	—	.173	.247	.138	—	.088	.062
-.026	0	-.055	0	-.044	-.025	-.035	—	-.037	-.013	-.040	—	-.026	-.019
.084	.060	.160	.255	.136	.079	.123	—	.167	.262	.147	—	.090	.062
-.033	-.031	-.058	.003	-.044	-.035	-.034	—	-.048	-.012	-.038	—	-.022	-.020
.086	.044	.148	.258	.134	.078	.116	—	.172	.265	.148	—	.091	.054
-.037	-.044	-.058	.011	-.046	-.029	-.038	—	-.022	-.009	-.044	—	-.035	-.035
.097	.076	.178	.288	.159	.104	.134	—	.190	.300	.176	—	.106	.072
-.038	-.050	-.056	.003	-.055	-.034	-.037	—	-.041	-.004	-.041	—	-.022	-.028
.101	.063	.178	.285	.155	.093	.132	—	.179	.303	.163	—	.101	.070
-.044	-.051	-.049	.011	-.053	-.040	-.032	—	-.043	0	-.051	—	-.035	-.026
—	-.128	.278	.416	.278	.010	.066	—	.288	.412	.314	—	—	-.007
—	-.054	-.078	-.007	-.075	-.070	-.060	—	-.082	-.012	-.056	—	—	-.075
—	-.174	.288	.412	.273	.003	.066	—	.313	.456	.300	—	—	-.003
—	-.053	-.100	-.076	-.062	-.078	-.072	—	-.070	-.034	-.043	—	—	-.063
—	-.115	.315	.438	.297	.020	.091	—	.300	.454	.326	—	—	-.010
—	-.055	-.089	-.005	-.084	-.072	-.069	—	-.072	-.016	-.059	—	—	-.082
—	—	.316	.455	.300	.007	.078	—	.351	.510	.331	—	—	-.024
—	—	-.094	-.011	-.079	-.075	-.070	—	-.075	-.016	-.057	—	—	-.082
—	—	.330	.477	.312	.006	.085	—	.368	.556	.344	—	—	—
—	—	-.099	0	-.089	-.084	-.062	—	-.084	-.016	-.069	—	—	—
—	—	.344	.494	.334	.010	.090	—	.373	.531	.368	—	—	-.035
—	—	-.093	-.001	-.083	-.072	-.082	—	-.090	-.012	-.079	—	—	-.093
—	—	.348	.510	.336	0	.084	—	—	.535	.375	—	—	-.032
—	—	-.099	-.007	-.093	-.082	-.069	—	—	-.010	-.079	—	—	-.090
—	—	.358	.527	.366	.001	.093	—	—	.541	.394	—	—	-.029
—	—	-.103	.005	-.101	-.085	-.074	—	—	0	-.093	—	—	-.100
—	—	.373	.553	.374	.001	.081	—	—	.576	.417	—	—	-.032
—	—	-.101	.011	-.114	-.084	-.079	—	—	-.004	-.101	—	—	-.100
—	—	.397	.596	.404	.012	.082	—	—	.619	.429	—	—	—
—	—	-.137	.003	-.116	-.088	-.070	—	—	-.018	-.100	—	—	—
—	—	.390	.612	.397	-.016	.078	—	—	.632	.440	—	—	—
—	—	-.152	-.004	-.114	-.081	-.076	—	—	-.024	-.098	—	—	—

*V= VERTICAL DEFL.
L= LATERAL

DATA SHEET

NOTE: This data gives the deflection in inches of the points indicated. Location of points is in accordance with Attachment 1, C.S. 2-5526-3-252. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

1

Load in lbs	*	X-6	X-10	X-16	Y-11	Z-1	Z-12	Z-17	Z-19
125	V	.017	0	-.004	-.001	-.005	.003	-.003	-.012
	L	-.007	-.020	.015	.007	-.005	.011	.017	.006
125	V	.031	.032	.012	.027	.026	.017	.023	.005
	L	.001	-.001	.007	.004	.012	.011	.008	-.002
125	V	.049	.045	.033	.044	.029	.028	.041	.011
	L	.003	-.008	.005	-.010	.011	.015	.003	0
200	V	.041	.036	.043	.033	.020	.037	.028	.026
	L	-.005	-.005	.011	-.003	-.002	.006	.017	.005
300	V	.074	.078	.085	.072	.063	.070	.075	.047
	L	.001	.004	.004	-.014	.014	0	.002	-.005
400	V	.096	.104	.117	.096	.077	.103	.083	.072
	L	.003	-.003	.007	-.003	.005	.006	.006	-.018
500	V	.089	.086	.096	.092	.064	.086	.086	.061
	L	0	-.011	.009	-.011	-.014	.012	.017	.003
600	V	.112	.122	.126	.127	.104	.121	.118	.089
	L	.009	-.004	0	-.016	.003	-.005	.009	-.006
700	V	.146	.157	.153	.150	.116	.139	.141	.113
	L	.008	.008	.001	-.016	0	-.008	.008	-.026
800	V	.145	.157	.150	.144	.122	.142	.136	.113
	L	.009	-.001	.008	-.020	.005	-.005	.008	-.117
900	V	.154	.170	.173	.157	.119	.151	.145	.124
	L	.021	.005	.015	-.016	-.002	-.006	.015	-.021
1000	V	.177	.193	.181	.184	.139	.176	.170	.139
	L	.004	-.009	.011	-.013	0	0	.018	-.014
1100	V	-	.492	-	.408				
	L	-	.041	-	-.036				
600	V	-	.484	-	.409				
	L	-	.043	-	-.051				
700	V	-	.524	-	.433				
	L	-	.052	-	-.047				
800	V	-	.552	-	.462				
	L	-	.053	-	-.043				

Calc	De Recd	4-25-62	REVISED	DATE	RAPID LOAD TEST NO. 2, 2ND CYCLE ON PAGE 12, TPR SLML-62-228 SPEC. NO. 25-20376	DS
Troc	ERR	5-10-2				EWA 5617
Chk.						PAGE 3-278
Appr					THE BOEING COMPANY D2-80085 SEATTLE 14, WASHINGTON Vol. III	
Appr						

* V =
L =

280

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NOTE: This data gives the deflection in inches of the points indicated. Location of points is in accordance with Attachment 5, C.S. 2-5526-3-201. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

1

Load in lbs	*	X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	V-8
50	V	.003	.009	.005	-.013	-.007	-.024	-.012	.013	-.041	.017
	L	.001	-.012	0	-.011	.015	-.007	.005	0	.003	-.014
110	V	-.001	.020	.013	.023	.024	.011	.011	.036	.024	.020
	L	-.011	-.008	-.004	-.027	.020	.011	0	-.005	.017	-.024
170	V	.011	.005	.023	.004	.032	.004	.017	.028	.017	.020
	L	-.031	-.039	-.032	-.024	.020	.008	.001	-.001	.016	-.031
200	V	.019	.033	.008	.017	.029	.015	-.007	.033	0	.029
	L	-.021	-.033	-.021	-.032	.013	.011	.011	.013	-.003	-.031
260	V	.031	-.007	.024	.021	.053	.016	.008	.021	-.017	.029
	L	-.023	-.027	-.032	-.029	.023	-.004	-.003	-.003	.013	-.036
320	V	.053	.043	.057	.055	.090	.024	.015	.041	-.009	.064
	L	-.027	-.029	-.028	-.028	.025	-.004	-.003	-.011	.001	-.037
350	V	.057	.043	.056	.059	.102	.036	.011	.029	0	.063
	L	-.013	-.011	.003	-.019	.007	-.015	-.011	-.016	.001	-.031
400	V	.036	.049	.057	.063	.108	.023	.009	.024	-.020	.064
	L	-.023	-.016	.001	-.016	0	-.025	-.021	-.024	-.019	-.026
450	V	.041	.059	.081	.069	.120	.043	.023	.036	.004	.089
	L	-.043	-.032	-.021	-.035	.014	-.020	-.019	-.007	0	-.034
510	V	.045	.064	.082	.067	.138	.033	.021	.039	-.009	.080
	L	-.041	-.029	-.025	-.040	.024	-.005	-.008	-.011	-.013	-.040
560	V	.059	.055	.097	.076	.145	.063	.039	.039	.005	.103
	L	-.043	-.031	-.017	-.041	.013	-.025	-.021	-.024	0	-.039
610	V	.064	.073	.082	.082	.157	.056	.041	.053	.001	.104
	L	-.040	-.041	-.024	-.061	.019	-.036	-.029	-.016	-.004	-.053
660	V	.072	.081	.102	.109	.170	.072	.045	.049	.003	.104
	L	-.049	-.047	-.027	-.049	-.027	-.009	-.012	-.008	-.009	-.049
700	V	.074	.097	.109	.112	.189	.072	.053	.041	.003	.112
	L	-.057	-.051	-.029	-.036	.023	-.015	-.008	-.015	-.012	-.049
750	V	.065	.076	.116	.114	.209	.088	.039	.059	.001	.113
	L	-.029	-.043	-.035	-.043	.008	-.031	-.021	-.016	-.027	-.051
800	V	.070	.073	.102	.113	.223	.086	.077	.073	.019	.146
	L	-.045	-.059	-.029	-.037	.009	-.036	-.013	-.015	-.016	-.041

Calc	DeRoo	4-4-62	REVISED	DATE	SLOW-LOAD TEST SPEC. # 25-20341 THE BOEING COMPANY D2-80085 SEATTLE 14, WASHINGTON Vol. III	DS
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* V = VERT
L = LAT

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X-18	X-20	V-8	V-11	V-14	Z-1	Z-3	Z-9	Z-10	Z-13	Z-17	Z-21
.013	-.041	.017	-.001	-.026	-.034	-.037	.023	-.021	-.024	-.038	—
0	.003	-.014	.006	-.006	-.003	-.014	.012	-.021	-.008	-.014	—
.036	.024	.020	.030	.003	.006	-.005	.021	.021	-.009	0	.043
.005	.017	-.024	.010	.003	-.005	-.012	0	-.021	.003	-.020	-.018
.028	.017	.020	.040	.006	-.006	.003	.017	.024	-.009	.008	.020
.001	.016	-.031	.027	.017	-.009	-.034	-.015	-.017	-.008	-.011	-.005
.033	0	.029	.043	.007	-.023	-.014	.005	.040	-.002	-.002	.005
.013	-.003	-.031	.017	.020	-.009	-.024	-.023	-.006	.005	-.002	-.005
.021	-.017	.029	.050	.010	-.021	.003	.024	.052	-.003	-.006	.026
.003	.013	-.036	.011	0	-.011	-.034	-.020	-.015	-.003	-.008	-.009
.041	-.007	.064	.086	.017	.018	.040	.083	.083	.043	.020	.041
.011	.001	-.037	.024	.011	-.021	-.046	-.014	-.029	.011	.008	-.005
.029	0	.063	.102	.036	.023	.031	.099	.089	.050	.026	.054
.016	.001	-.031	.004	-.019	-.003	-.006	.011	-.005	-.009	-.015	-.012
.024	-.020	.064	.107	.039	.020	.035	.096	.110	.028	—	.029
.024	-.019	-.026	-.004	-.024	-.003	-.005	.006	.009	-.032	—	-.031
.036	.004	.089	.134	.043	.014	.031	.104	.136	.061	—	.014
-.007	0	-.034	.021	.010	-.015	-.034	-.006	-.012	-.011	—	-.029
.039	-.009	.080	.137	.049	.035	.043	.087	.150	.070	—	.049
-.011	-.013	-.040	.023	-.006	-.024	-.037	-.021	-.012	-.017	—	-.012
.039	.005	.103	.160	.066	.037	.055	.098	.164	.078	—	.047
-.024	0	-.039	.006	-.014	-.012	-.021	-.017	.006	-.023	—	-.028
.053	.001	.104	.172	.066	.037	.055	.121	.197	.095	—	.073
.016	-.004	-.053	.010	-.006	-.024	-.038	-.021	-.024	-.017	—	-.015
.049	.003	.104	.183	.086	.031	.067	.130	.196	.077	—	.058
-.008	-.009	-.049	.017	.004	-.026	-.047	-.032	-.020	-.015	—	-.009
.041	.003	.112	.203	.097	.049	.069	.139	.208	.104	—	.067
-.015	-.012	-.049	.023	0	-.029	-.038	-.041	-.020	-.031	—	-.020
.059	.001	.113	.215	.087	.029	.080	.147	.226	.121	—	.064
-.016	-.027	-.051	.021	-.021	-.032	-.041	-.029	-.017	-.037	—	-.035
.073	.019	.146	.235	.116	.043	.103	.150	.233	.098	—	.083
-.015	-.016	-.041	.013	-.019	-.031	-.050	-.020	-.020	-.021	—	-.024

* V = VERTICAL DEFL.
L = LATERAL "

NOTE: This data gives the deflection in inches of the points indicated. Location of points is in accordance with Attachment 1, C.S. 2-5526-3-252. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

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Load in lbs	*	X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-19	X-20	Y-8
850	V	.073	.106	.140	.133	.246	.100	.076	.061	.012	.137
	L	-.064	-.052	-.045	-.057	.029	-.023	-.024	-.008	-.008	-.083
900	V	.077	.110	.145	.140	.255	.094	.073	.053	.001	.160
	L	-.061	-.047	-.037	-.073	.024	-.031	-.025	-.037	-.019	-.060
950	V	.093	.122	.157	.140	.282	.109	.086	.074	.015	.172
	L	-.059	-.061	-.040	-.069	.027	-.043	-.016	-.027	-.012	-.080
1000	V	.059	.112	.157	.152	.290	.102	.096	.064	.001	.162
	L	-.047	-.004	-.035	-.059	.019	-.053	-.019	-.029	-.017	-.072
1050	V	.089	.114	.161	.176	.314	.120	.100	.069	.028	.177
	L	-.056	-.004	-.044	-.078	.024	-.052	-.023	-.032	-.021	-.082
1100	V	.093	.137	.174	.168	.334	.138	.098	.084	.017	.184
	L	-.063	-.065	-.044	-.076	.029	-.036	-.027	-.025	-.035	-.084
1150	V	.078	.141	.190	.180	.352	.144	.132	.094	.025	.199
	L	-.061	-.070	-.036	-.092	.017	-.050	-.029	-.040	-.037	-.097
1200	V	.094	.133	.194	.177	.375	.149	.121	.076	.016	.200
	L	-.060	-.093	-.064	-.102	.027	-.055	-.027	-.037	-.036	-.100
1250	V	.073	.116	.198	.193	.392	.148	.112	.096	.035	.204
	L	-.086	-.077	-.051	-.074	.016	-.059	-.027	-.052	-.035	-.094
1300	V	.074	.144	.209	.218	.430	.168	.134	.082	.019	.226
	L	-.072	-.089	-.059	-.098	.023	-.076	-.044	-.053	-.056	-.094
1350	V	.084	.145	.219	.242	.460	.215	.166	.105	.027	.259
	L	-.084	-.112	-.072	-.101	.008	-.082	-.044	-.055	-.051	-.092
1400	V	.084	.166	.232	.249	.497	.214	.173	.130	.039	.259
	L	-.097	-.109	-.084	-.112	.025	-.092	-.045	-.061	-.067	-.094
1450	V	.084	.170	.237	.247	.532	.231	.196	.128	.010	.277
	L	-.102	-.110	-.076	-.110	.004	-.086	-.049	-.063	-.074	-.120
1500	V	.089	.177	.249	.287	.556	.245	.194	.140	.044	.305
	L	-.128	-.128	-.077	-.125	.012	-.097	-.049	-.069	-.080	-.123
1550	V	.090	.181	.275	.291	.600	.254	.226	.144	.036	.315
	L	-.102	-.104	-.067	-.110	-.005	-.124	-.067	-.109	-.093	-.109
1600	V	.109	.184	.277	.301	.634	.290	.235	.145	.025	.332
	L	-.128	-.138	-.088	-.146	-.017	-.105	-.043	-.093	-.093	-.137

Colo	DeRolo	4-4-62	REVISED	DATE	SLOW LOAD TEST SPEC. NO. 25-20341 THE BOEING COMPANY D2-80085 SEATTLE 14, WASHINGTON Vol. III	DS	* V=VERT L=LATE DATA
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	X-19	X-20	Y-8	Y-11	Y-14	Z-1	Z-3	Z-9	Z-10	Z-13	Z-17	Z-21
1	.061	.012	.137	.250	.107	.063	.089	.162	.242	.141	—	.098
2	.008	.008	.083	.027	-.009	-.050	-.067	-.050	-.024	-.003	—	-.018
3	.053	.001	.160	.266	.109	.054	.093	.167	.256	.130	—	.084
4	.037	.019	-.060	.016	-.014	-.037	-.058	-.040	-.035	-.023	—	-.035
5	.074	.015	.172	.280	.112	.073	.095	.181	.301	.139	—	.078
6	-.027	-.012	-.080	.027	-.011	-.043	-.063	-.054	-.032	-.037	—	-.020
7	.064	.001	.162	.282	.113	.046	.103	.177	.297	.150	—	.073
8	-.029	.017	-.072	.024	-.029	-.040	-.058	-.046	.021	-.044	—	-.040
9	.069	.028	.177	.320	.014	.066	.109	.205	.311	.182	—	.089
10	.032	-.021	-.082	.033	-.026	-.052	-.055	-.046	-.037	-.029	—	-.049
11	.084	.017	.124	.539	.014	.073	.106	.230	.343	.194	—	.081
12	-.025	.035	-.084	.030	-.034	-.038	-.090	-.055	-.037	-.046	—	-.035
13	.094	.025	.199	.360	.173	.073	.130	.219	.360	.197	—	.090
14	-.040	-.037	-.097	.046	-.050	-.047	-.067	-.098	-.047	-.043	—	-.040
15	.076	.016	.260	.382	.156	.063	.107	.228	.323	.200	—	.081
16	-.037	-.036	-.100	.030	-.034	-.069	-.077	-.080	-.041	-.035	—	-.047
17	.096	.035	.264	.409	.180	.070	.132	.231	.393	.217	—	.098
18	-.052	.055	-.094	.017	-.051	-.052	-.066	.080	-.040	-.057	—	-.052
19	.082	.019	.226	.436	.197	.072	.133	.292	.430	.236	—	.090
20	-.053	-.056	-.094	.027	-.046	-.061	-.077	-.070	-.024	-.060	—	-.058
21	.105	.027	.259	.466	.210	.072	.116	.314	.453	.251	—	.093
22	.055	.051	-.092	.024	-.073	-.049	-.089	-.083	-.037	-.060	—	-.067
23	.130	.039	.259	.499	.220	.080	—	.362	.491	.274	—	.083
24	.061	.067	-.094	.021	-.080	-.061	—	-.086	-.037	-.064	—	-.058
25	.128	.010	.277	.503	.246	—	—	.323	.526	.262	—	—
26	-.063	-.074	-.120	.014	-.073	—	—	-.090	-.039	-.073	—	—
27	.140	.044	.365	.567	.263	—	—	.366	.560	.321	—	—
28	-.069	-.080	-.123	.027	-.054	—	—	-.084	-.039	-.063	—	—
29	.144	.036	.315	.596	.279	—	—	.355	.582	.327	—	—
30	-.109	-.093	-.109	-.001	-.103	—	—	-.086	-.021	-.099	—	—
31	.145	.025	.332	.635	.295	—	—	.381	.617	.347	—	—
32	.093	.093	-.137	.023	-.092	—	—	-.101	-.037	-.078	—	—

* V = VERTICAL DEFL.

L = LATERAL

NOTE: This data gives the deflection in inches of the points indicated. Location of points is in accordance with Attachment 1, C.S. 2-5526-3-252. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

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Load in lbs	*	X-2	X-4	X-6	X-7	X-12	X-15	X-16	X-18	X-20	Y-8
1650	V	.112	.200	.306	.318	.668	.297	.262	.174	.029	.337
	L	-.124	-.145	-.104	-.160	.015	-.126	-.051	-.089	-.093	-.154
1700	V	.097	.190	.315	.287	.705	.299	.265	.156	.017	.335
	L	-.148	-.141	-.089	-.153	.008	-.138	-.063	-.093	-.101	-.149
1750	V	.097	.209	.315	.336	.722	.334	.277	.173	.027	.385
	L	-.152	-.137	-.092	-.157	-.003	-.134	-.069	-.101	-.118	-.143
1800	V	.080	.190	.289	.335	.739	.326	.280	.157	.036	.366
	L	-.154	-.152	-.098	-.153	0	-.146	-.061	-.110	-.116	-.147
1850	V	.084	.198	.315	.315	.761	.335	.282	.161	.027	.370
	L	-.141	-.141	-.080	-.157	-.011	-.165	-.085	-.128	-.133	-.152
1900	V	.078	.209	.319	.344	.782	.329	.301	.182	.037	.389
	L	-.165	-.141	-.097	-.174	-.001	-.152	-.072	-.124	-.129	-.156
1950	V	.063	.197	.323	.354	.803	.346	.298	.168	.025	.375
	L	-.169	-.161	-.101	-.181	.005	-.158	-.063	-.126	-.134	-.166
2000	V	.063	.201	.323	.335	.862	.358	.306	.184	.049	.396
	L	-.182	-.154	-.106	-.192	.011	-.161	-.061	-.120	-.122	-.177
2050	V	.069	.227	.336	.375	.894	.383	.339	.197	.023	.425
	L	-.160	-.157	-.120	-.194	-.005	-.162	-.065	-.122	-.137	-.172
2100	V	.080	.206	.342	.367	.938	.387	.340	.196	.033	.412
	L	-.178	-.164	-.118	-.200	-.012	-.173	-.070	-.132	-.148	-.149
2150	V	.080	.201	.329	.396	.939	.374	.322	.178	.029	.429
	L	-.161	-.156	-.105	-.207	.005	-.172	-.078	-.124	-.150	-.187
2200	V	.052	.200	.342	.410	.978	.390	.335	.196	.017	.429
	L	-.170	-.160	-.112	-.188	-.011	-.188	-.077	-.153	-.161	-.173
2250	V	.065	.197	.351	.416	1.032	.392	.343	.193	.040	.428
	L	-.186	-.169	-.132	-.214	.004	-.169	-.077	-.138	-.150	-.197
2300	V	.055	.213	.366	.414	1.045	.396	.340	.197	.037	.445
	L	-.178	-.165	-.128	-.189	-.016	-.190	-.086	-.133	-.152	-.186
2350	V	.035	.206	.356	.431	1.067	.380	.318	.181	.020	.426
	L	-.203	-.168	-.124	-.213	-.015	-.176	-.068	-.136	-.145	-.206
2400	V	.065	.209	.375	.428	1.111	.415	.357	.209	.028	.470
	L	-.188	-.166	-.125	-.196	-.016	-.215	-.084	-.149	-.172	-.190

Calc	DeRoco	4-4-62	REVISED	DATE	SLOW LOAD TEST SPEC. NO. 25-20341 THE BOEING COMPANY D2-80085 SEATTLE 14, WASHINGTON	DS	* V = VERTICAL L = LATERAL DATA
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18	X-20	Y-8	Y-11	Y-14	Z-1	Z-3	Z-9	Z-10	Z-13	Z-17	Z-21
74	.029	.337	.666	.296	—	—	.410	.646	.367	—	—
89	-.093	-.154	.021	-.103	—	—	-.116	-.024	-.070	—	—
56	.017	.335	.685	.315	—	—	.398	.670	.375	—	—
93	-.101	-.149	.013	-.114	—	—	-.110	-.046	-.083	—	—
73	.027	.385	.728	.335	—	—	.421	.693	.393	—	—
101	-.118	-.143	.010	-.123	—	—	-.110	-.031	-.106	—	—
57	.036	.366	.722	.337	—	—	.424	.719	.399	—	—
110	-.116	-.147	.006	-.122	—	—	-.112	-.035	-.110	—	—
161	.028	.370	.748	.332	—	—	.427	.734	.398	—	—
128	-.133	-.152	-.010	-.132	—	—	-.107	-.021	-.148	—	—
182	.037	.389	.774	.325	—	—	.453	.753	.424	—	—
124	-.129	-.156	.017	-.136	—	—	-.121	-.040	-.113	—	—
168	.025	.375	.797	.349	—	—	.450	.773	.404	—	—
126	-.134	-.166	.011	-.137	—	—	-.127	-.044	-.112	—	—
184	.049	.396	.832	.360	—	—	.453	.799	.451	—	—
120	-.122	-.177	.019	-.136	—	—	-.138	-.055	-.109	—	—
197	.023	.425	.877	.365	—	—	.497	.860	.457	—	—
122	-.137	-.172	.010	-.139	—	—	-.125	-.055	-.118	—	—
196	.033	.412	.872	.383	—	—	.479	.869	.473	—	—
132	-.148	-.149	.011	-.146	—	—	-.139	-.058	-.122	—	—
178	.029	.429	.896	.383	—	—	.509	.880	.476	—	—
124	-.150	-.187	.143	-.160	—	—	-.141	-.052	-.135	—	—
196	.017	.429	.950	.383	—	—	.520	.909	.479	—	—
153	-.161	-.173	.016	-.180	—	—	-.136	-.049	-.139	—	—
193	.040	.428	.977	.398	—	—	.529	.944	.499	—	—
138	-.150	-.197	.007	-.169	—	—	-.142	-.054	-.148	—	—
197	.037	.445	.995	.406	—	—	.552	.953	.511	—	—
133	-.152	-.186	-.001	-.169	—	—	-.141	-.043	-.158	—	—
181	.020	.426	1.022	.399	—	—	.545	.982	.508	—	—
136	-.145	-.206	.023	-.179	—	—	-.158	-.066	-.142	—	—
207	.028	.470	1.067	.413	—	—	.565	1.033	.523	—	—
149	-.172	-.190	.006	-.190	—	—	-.144	-.057	-.168	—	—

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*V=VERTICAL DEFL.

L=LATERAL "

DATA SHEET

NOTE: This data gives the deflection in inches of the points indicated. Location of points is in accordance with Attachment 1, C.S. 2-5526-3-252. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

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* V = VERTICAL
L = LATERAL

DATA S

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X-18 X-20 Y-8 Y-11 Y-14 Z-1 Z-3 Z-9 Z-10 Z-13 Z-17 Z-21

203	.023	.460	1.082	.415	—	—	.572	1.042	.532	—	—
140	-.161	-.207	.021	.170	—	—	-.170	-.069	-.158	—	—
203	.025	.470	1.118	.436	—	—	.572	1.060	—	—	—
144	-.165	-.223	0	-.197	—	—	-.170	-.072	—	—	—
081	-.031	.292	.686	.233	—	—	.373	.609	.320	—	—
101	-.105	-.149	.021	-.122	—	—	-.109	-.060	-.099	—	—

2

*V=VERTICAL DEFL.
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DATA SHEET

NOTE: This data gives the deflections in inches of the points indicated. Location of points is in accordance with Attachment 1, C.S. 2-5526-3-252. Positive vertical deflections are downward, negative upward. Positive lateral deflections are toward the C.L., negative away from it.

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